(C) QUESTEL 1994 QUESTEL.ORBIT (TM) 1998 Last connection: 26/03/09 15*03*09

02/04/09 20*43*54

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FILE PLUSPAT

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Selected file: PLUSPAT

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RELOADED 02/2008 Comprehensive Worldwide Patents database Individual records for each Country or Patent Office
Coverage: 79 patenting authorities; start dates vary from 1800 forward
Abstracts/Titles in English , French & German. Increased standardization of Assignee/Inventor names. Added cited ref's BE , CH , NL , TR , AU , & JPB For PlusPat Fact Sheet , Pricing and FAQ , see the Questel website Last update of file: 2009/03/27 (YYYY/MM/DD) 2009-13/UP (last update)

Search statement 1

Search?1 - US5401305/PN - 1

** SS 1: Results 1

Search statement 2

PRT FULL NONSTOP LEGALALL

1 / 1 PLUSPAT - Worldwide Patents - ©Questel



US5401305 (A) Coating composition for glass

PN	S US5401305 A 19950328 [US5401305]
TI	(A) Coating composition for glass
PA	(A) ATOCHEM NORTH AMERICA ELF (US)
PA0	Elf Atochem North America, Inc., Philadelphia PA [US]
IN	(A) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
AP	US10412593 19931213 [1993US-0104125]

FD	US814352 19911227 [1991US-0814352] (Abandoned) C.I.P. of US814366 19911226 [1991US-0814366] (Abandoned)
PR	US10412593 19931213 [1993US-0104125] US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
IC	(A) C09D-005/00
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
PCL	ORIGINAL (O): 106287100; CROSS-REFERENCE (X): 106287130 106287140 106287150 106287160
DT	Corresponding document
СТ	US4227929 [US4227929] 106001170 -JP57-34164 [JP57034164] C08K-003/08 -JP58-189263 [JP58189263] C09D-003/82 -SU833649 [SU-833649] C03C-017/30
STG	(A) United States patent
АВ	A composition for coating glass by chemical-vapor deposition comprises a mixture of a tin oxide precursor monobutyltin trichloride, a silicon dioxide precursor tetraethylorthosilicate, and an accelerant such as triethyl phosphite; the composition is gaseous below 200 DEG C., and permits coating glass having a temperature from 450 DEG to 650 DEG C. at deposition rates higher than 350 ANGSTROM /sec. The layer of material deposited can be combined with other layers to produce an article with specific properties such as controlled emissivity, refractive index, abrasion resistance, or appearance.

1 / 1 LGST - Legal Status - ©EPO

US5401305 19931220 US/AS02A [NMC]ASSIGNMENT OF ASSIGNOR'S INTERESTOWNER: DIRKX, RYAN ...

PN	US5401305 A 19950328 [US5401305](A) Patent
AP	US10412593 19931213 [1993US-0104125]
PUB	19931213 US-API [POS; EXM] FILING DETAILS US10412593 19931213 [1993US-0104125] 19950328 US-A [POS; EXM] Patent US5401305 A 19950328 [US5401305]
ACT	19931220 US/AS02-A [NMC] ASSIGNMENT OF ASSIGNOR'S INTEREST OWNER: DIRKX, RYAN R.; EFFECTIVE DATE: 19930212 19931220 US/AS02-A [NMC] ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: FLORCZAK, GLENN P.; EFFECTIVE DATE: 19930211

19931220 US/AS02-A [NMC]

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: RUSSO, DAVID A.; EFFECTIVE DATE: 19930210

19931220 US/AS02-A [NMC]

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: ELF ATOCHEM NORTH AMERICA, INC. 2000 MARKET STREET; EFFECTIVE DATE: 19930210

19960423 US/RF-A [OPP] REISSUE APPLICATION FILED EFFECTIVE DATE: 19951017

19990518 US/RF-A [OPP] REISSUE APPLICATION FILED EFFECTIVE DATE: 19990407

20000725 US/AS-A [NMC]

ASSIGNMENT

OWNER: ATOFINA CHEMICALS, INC., A CORP. OF PENNSYLVANIA 2; EFFECTIVE DATE: 20000619

CHANGE OF NAME; ASSIGNOR: ELF ATOCHEM NORTH AMERICA, INC., A CORP. OF

PENNSYLVANIA: REEL/FRAME: 011007/0001

20041115 US/AS-A [NMC]

ASSIGNMENT

OWNER: ARKEMA INC. 2000 MARKET STREETPHILADELPHIA, PENNSY; EFFECTIVE DATE: 20041004

CHANGE OF NAME; ASSIGNOR: ATOFINA CHEMICALS, INC. /AR; REEL/FRAME: 015394/0628

20041115 US/AS-A [NMC]

ASSIGNMENT

OWNER: ARKEMA INC., PENNSYLVANIA; EFFECTIVE DATE: 20041004

CHANGE OF NAME; ASSIGNOR: ATOFINA CHEMICALS, INC.; REEL/FRAME: 015394/0628

LEG NMC Alive

UP 2009-10

1 / 1 CRXX - US Claims Reassignations - ©CLAIMS/RRX

US5401305 19951017 REISSUE REQUESTEDISSUE DATE OF O.G.: 19960423REISSUE REQUEST NUMBER..

AND INCOME CONTROL OF STREET AND AND AND CONTROL OF AND AND CONTROL OF STREET	
PN	5,401,305 A 19950328 [US5401305]
PA	Elf Atochem North America Inc
ACT	19951017 REISSUE REQUESTED
	ISSUE DATE OF O.G.: 19960423

REISSUE REQUEST NUMBER: 08/544212

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1108

Reissue Patent Number:

19990407 REISSUE REQUESTED ISSUE DATE OF O.G.: 19990518

REISSUE REQUEST NUMBER: 09/287664

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1755

Reissue Patent Number:

20000725 REASSIGNED

CHANGE OF NAME

Assignor: ELF ATOCHEM NORTH AMERICA, INC., A CORP. OF PENNSYLVANIA, DATE SIGNED: 06/19/2000

Assignee: ATOFINA CHEMICALS, INC., A CORP. OF PENNSYLVANIA, 2000 MARKET STREET, PHILADELPHIA, PENNSYLVANIA, 19103

Reel 011007/Frame 0001

Contact: ATOFINA CHEMICALS, INC., MARY G. FAY, PATENT DEPARTMENT, 2000 MARKET STREET, 26TH FLOOR, PHILADELPHIA, PENNSYLVANIA 19103-3222

20041115 REASSIGNED CHANGE OF NAME

Assignor: ATOFINA CHEMICALS, INC., DATE SIGNED: 10/04/2004

Assignee: ARKEMA INC., 2000 MARKET STREET, PHILADELPHIA, PENNSYLVANIA, 19103

Reel 015394/Frame 0628

Contact: ARKEMA INC., GILBERT W. RUDMAN, 2000 MARKET STREET, PHIALDELPHIA,

PENNSYLVANIA 19103

Search statement

FILE INPADOC

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Cost estimated for the last database search :
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Cost estimated for the last database search :
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Selected file: PLUSPAT

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RELOADED 02/2008 Comprehensive Worldwide Patents database Individual records for each Country or Patent Office
Coverage: 79 patenting authorities; start dates vary from 1800 forward
Abstracts/Titles in English , French & German. Increased standardization of Assignee/Inventor names. Added cited ref's BE , CH , NL , TR , AU , & JPB For PlusPat Fact Sheet , Pricing and FAQ , see the Questel website
Last update of file: 2009/03/27 (YYYY/MM/DD) 2009-13/UP (last update)

Search statement

Search?2 - FAM US5401305/PN - 63

2

1 Patent Groups
** SS 2: Results 63

Search statement

FAMSTATE NONSTOP

1 / 63 PLUSPAT - Worldwide Patents - ©Questel



AR-248263 (A1) COATING COMPOSITION FOR GLASS

PN	MADAAAAA AA 10050710 [AD 040060]
F IN	AR248263 A1 19950712 [AR-248263]
STG	(A1) Independent patent application
TI	(A1) COATING COMPOSITION FOR GLASS
ОТІ	(A1) COMPOSICION GASEOSA A TEMPERATURAS INFERIORES A 200°C A PRESION NORMAL, UTIL PARA FORMAR DEPOSITOS DE OXIDO DE ESTAÑO Y DE OXIDO DE SILICIO SOBRE EL VIDRIO Y PROCEDIMIENTO PARA FORMARLOS.
PA	(A1) ATOCHEM NORTH AMERICA ELF (US)
IC	(A1) C03C-017/245
LA	SPANISH (SPA)
AP	AR32400792 19921228 [1992AR-0324007]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210873 19921221 [1992WO-US10873]
ICAA	C03C-017/245 [2006-01 A - I R M EP]
ICCA	C03C-017/23 [2006 C - I R M EP]
DT	Corresponding document
UP	2004-40

2 / 63 PLUSPAT - Worldwide Patents - ©Questel



ATE186039

PN	T AT186039 T 19991115 [ATE186039]
STG	(T) EP Patent valid in AT
OTI	(T) ZUSAMMENSETZUNG EINER DECKSCHICHT FÜR GLAS
PA	(T) ATOCHEM NORTH AMERICA ELF (US)
IN	(T) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(T) C03C-017/245
AP	AT93901245T 19921221 [1993AT-0901245]

PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C03C-017/32 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

PN	EP0573639 A1 19931215 [EP-573639](A1) Application published with search report EP0573639 A4 19950104 [EP-573639](A4) Supplementary search report EP0573639 B1 19991027 [EP-573639](B1) Patent specification
ΑP	EP93901245 19921221 [1993EP-0901245]
PUB	19921221 EP-API [POS; EXM] FILING DETAILS EP93901245 19921221 [1993EP-0901245] 19931215 EP-A1 [POS; EXM] Application published with search report EP0573639 A1 19931215 [EP-573639] 19950104 EP-A4 [POS; EXM] Supplementary search report EP0573639 A4 19950104 [EP-573639] 19991027 EP-B1 [POS; PIF] Patent specification EP0573639 B1 19991027 [EP-573639]
ACTE	19931215 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19931215 EP/17P-A [POS; EXM] REQUEST FOR EXAMINATION FILED EFFECTIVE DATE: 19930806 19941228 EP/RHK1-A [CCL] MAIN CLASSIFICATION (CORRECTION) C03C-017/245 19950104 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19950104 EP/A4-A [POS; ADM] SUPPLEMENTARY SEARCH REPORT EFFECTIVE DATE: 19941115 19950823 EP/17Q-A [POS; EXM] FIRST EXAMINATION REPORT EFFECTIVE DATE: 19950710

19960110 EP/RAP1-A [NMC]

APPLICANT REASSIGNMENT (CORRECTION)
OWNER: ELF ATOCHEM NORTH AMERICA, INC.

19960110 EP/RAP3-A [NMC]

APPLICANT CHANGE OF NAME (CORRECTION)
OWNER: ELF ATOCHEM NORTH AMERICA, INC.

19980415 EP/RAP1-A [NMC]

APPLICANT REASSIGNMENT (CORRECTION)
OWNER: ELF ATOCHEM NORTH AMERICA, INC.

19991027 EP/AK-A [POS; ADM]

DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19991027 EP/REF-A [ENP] CORRESPONDS TO:

Corresponding Pat: AT 186039 19991115 [ATE186039]

19991029 EP/REG-A; CH/NV [NMC] REFERENCE TO A NATIONAL CODE

CH: NEW AGENT Corresponding cc: CH

REPRÉSENTATIVE: E. BLUM & CO. PATENTANWAELTE

19991029 EP/REG-A; CH/EP [POS; ENP] REFERENCE TO A NATIONAL CODE CH: ENTRY IN THE NATIONAL PHASE

Corresponding cc: CH

19991105 EP/ITF-A [POS; ENP]

IT: TRANSLATION FOR A EP PATENT FILED OWNER: BARZANO' E ZANARDO ROMA S.P.A.

19991202 EP/REF-A [ENP] CORRESPONDS TO:

Corresponding Pat: DE 69230219 19991202 [DE69230219]

19991203 EP/ET-A [POS; ENP] FR: TRANSLATION FILED

20000101 EP/REG-A; ES/FG2A [ENP] REFERENCE TO A NATIONAL CODE

ES: DEFINITIVE PROTECTION

Corresponding Pat: ES 2137984 0 [ES2137984] 20000126 EP/REG-A; IE/FG4D [POS; PIF] REFERENCE TO A NATIONAL CODE

IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND

Corresponding cc: IE

20000207 EP/REG-A; DK/T3 [POS; EXM; ENP]

REFERENCE TO A NATIONAL CODE DK: TRANSLATION OF EP PATENT

Corresponding cc: DK

20000229 EP/REG-A; PT/SC4A [POS; EXM] REFERENCE TO A NATIONAL CODE

PT: TRANSLATION IS AVAILABLE

Corresponding cc: PT

EFFECTIVE DATE: 19991116

AVAILABILITY OF NATIONAL TRANSLATION

20001011 EP/26N-A [POS; OPP]

NO OPPOSITION FILED

20001031 EP/REG-A; CH/PFA [NMC] REFERENCE TO A NATIONAL CODE

CH: NAME/FIRM CHANGED

Corresponding cc: CH

ELF ATOCHEM NORTH AMERICA, INC. TRANSFER- ATOFINA CHEMICALS, INC.

20001229 EP/REG-A; PT/PD4A [NMC] REFERENCE TO A NATIONAL CODE PT: CHANGE OF PROPRIETORSHIP

Corresponding cc: PT

EFFECTIVE DATE: 20000908 ATOFINA CHEMICALS, INC US 20010629 EP/REG-A; FR/CD [NMC] REFERENCE TO A NATIONAL CODE FR: CHANGE OF NAME OF NOMINATION

Corresponding cc: FR

20010629 EP/REG-A; FR/CA [NMC] REFERENCE TO A NATIONAL CODE

FR: CHANGE OF ADDRESS

Corresponding cc: FR

20020101 EP/REG-A; GB/IF02 [POS; PIF] REFERENCE TO A NATIONAL CODE

GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01

Corresponding cc: GB

20021120 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: MC

PAYMENT DATE: 20021120; PAYMENT YEAR: 11

20031231 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: MC EFFECTIVE DATE: 20031231

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20041126 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: GR

PAYMENT DATE: 20041126; PAYMENT YEAR: 13

20041205 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: NL

PAYMENT DATE: 20041205; PAYMENT YEAR: 13

20041206 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: SE

PAYMENT DATE: 20041206; PAYMENT YEAR: 13

20041213 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: AT

PAYMENT DATE: 20041213; PAYMENT YEAR: 13

20041213 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: PT

PAYMENT DATE: 20041213; PAYMENT YEAR: 13

20041215 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: GB

PAYMENT DATE: 20041215; PAYMENT YEAR: 13

20041216 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: DE

PAYMENT DATE: 20041216; PAYMENT YEAR: 13

20041217 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IE

PAYMENT DATE: 20041217; PAYMENT YEAR: 13

20041217 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: DK

PAYMENT DATE: 20041217; PAYMENT YEAR: 13

20041228 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: LU

PAYMENT DATE: 20041228; PAYMENT YEAR: 13

20050315 EP/REG-A; CH/PFA [NMC] REFERENCE TO A NATIONAL CODE

CH: NAME/FIRM CHANGED Corresponding cc: CH OWNER: ARKEMA INC.

ATOFINA CHEMICALS, INC.#2000 MARKET STREET#PHILADELPHIA (PA 19103-3222) (US) - TRANSFER TO- ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)

20051118 EP/REG-A; FR/CD [NMC] REFERENCE TO A NATIONAL CODE FR: CHANGE OF NAME OF NOMINATION

Corresponding cc: FR

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: AT EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: IE

EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GB

EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051222 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: SE

EFFECTIVE DATE: 20051222

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051231 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: LU EFFECTIVE DATE: 20051231

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060102 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: DK EFFECTIVE DATE: 20060102

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060621 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: PT EFFECTIVE DATE: 20060621

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060701 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: DE EFFECTIVE DATE: 20060701

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060701 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: NL EFFECTIVE DATE: 20060701

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060731 EP/REG-A; DK/EBP [NEG; RLW]

REFERENCE TO A NATIONAL CODE

DK: PATENT LAPSED Corresponding cc: DK

20060822 EP/EUG-A [NEG; RLW] SE: EUROPEAN PATENT HAS LAPSED 20060823 EP/GBPC-A [NEG; RLW]

GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE

EFFECTIVE DATE: 20051221

20060831 EP/REG-A; PT/MM4A [NEG; RLW]

REFERENCE TO A NATIONAL CODE

PT: ANNULMENT/LAPSE DUE TO NON-PAYMENT OF FEES; SEARCHED & EXAMINED PATENT

Corresponding cc: PT EFFECTIVE DATE: 20060621 20060901 EP/NLV4-A [NEG; RLW]

NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE

EFFECTIVE DATE: 20060701

20061004 EP/REG-A; IE/MM4A [NEG; RLW] REFERENCE TO A NATIONAL CODE

IE: PATENT LAPSED Corresponding cc: IE

20061208 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: FR

PAYMENT DATE: 20061208; PAYMENT YEAR: 15

20061227 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DATE: 20061227; PAYMENT YEAR: 15

20061231 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IT

PAYMENT DATE: 20061231; PAYMENT YEAR: 15

20070122 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: ES

PAYMENT DATE: 20070122; PAYMENT YEAR: 15

20070222 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: BE

PAYMENT DATE: 20070222; PAYMENT YEAR: 15

20071015 EP/REG-A; CH/PFA [NMC] REFERENCE TO A NATIONAL CODE

CH: NAME/FIRM CHANGED Corresponding cc: CH OWNER: ARKEMA INC.

ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER TO- ARKEMA

INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)

20080229 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DATE: 20071213; PAYMENT YEAR: 16

20080430 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: ES

PAYMENT DATE: 20080118; PAYMENT YEAR: 16

20080430 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: FR

PAYMENT DATE: 20071210; PAYMENT YEAR: 16

20080430 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GR

EFFECTIVE DATE: 19991027

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20080530 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IT

PAYMENT DATE: 20071228; PAYMENT YEAR: 16

20080530 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GR EFFECTIVE DATE: 19991027

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20090130 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

	Corresponding cc: CH PAYMENT DATE: 20081230; PAYMENT YEAR: 17 20090227 EP/PGFP-A [POS; PIF] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE Corresponding cc: BE PAYMENT DATE: 20080709; PAYMENT YEAR: 16	
LEG	PIF Alive	
UP	2009-10	

PN	Tanslation of European patent specification
AP	AT93901245T 19921221 [1993AT-0901245]
PUB	19921221 AT-API [POS; EXM] FILING DETAILS AT93901245T 1992122 [1993AT-0901245] 19991115 AT-T [POS; EXM] Translation of European patent specification AT186039 T 19991115 [ATE186039]
ACTE	20000315 AT/UEP-T [POS; EXM; ENP] PUBLICATION OF TRANSLATION OF EUROPEAN PATENT SPECIFICATION 20010715 AT/EEFA-T [NMC] CHANGE OF THE COMPANY NAME 20060915 AT/REN-T [NEG; NIF] CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE
LEG	NIF Dead
UP	2006-40

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ATE272	582
PN	T AT272582 T 20040815 [ATE272582]
STG	(T) EP Patent valid in AT
ОТІ	(T) BESCHICHTUNGSZUSAMMENSETZUNG FÜR GLAS
PA	(T) ATOFINA CHEM INC (US)
IN	(T) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(T) C03C-017/23 C03C-017/245
AP	AT99106266T 19921221 [1999AT-0106266]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
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EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2004-35

PN	AT272582 T 20040815 [ATE272582](T) Translation of European patent specification
AP	AT99106266T 19921221 [1999AT-0106266]
PUB	19921221 AT-API [POS; EXM] FILING DETAILS AT99106266T 1992122 [1999AT-0106266] 20040815 AT-T [POS; EXM] Translation of European patent specification AT272582 T 20040815 [ATE272582]
ACTE	20050215 AT/UEP-T [POS; EXM; ENP] PUBLICATION OF TRANSLATION OF EUROPEAN PATENT SPECIFICATION Corresponding Pat: EP 0927706 0 [EP-927706] 20060915 AT/REN-T [NEG; NIF] CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE
LEG	NIF Dead
UP	2006-40

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AU9333228 (A) Method for coating glass substrates

	IZZ8 (A) Method for coating glass substrates
PN	Maria AU3322893 A 19930728 [AU9333228]
STG	(A) Open to public inspection
TI	(A) Method for coating glass substrates
PA	(A) ATOCHEM NORTH AMERICA ELF
IN	(A) RUSSO DAVID A; DIRKX RYAN R; FLORCZAK GLENN P
IC	(A) B05D-005/06 C03C-017/245 C23C-016/40
AP	AU3322893 19921221 [1993AU-0033228]
PR	US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
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EC	B32B-017/06

DT
ICO



AU9333229 (A) Coating composition for glass

AUSGGG	229 (A) Coating composition for glass
PN	AU3322993 A 19930728 [AU9333229]
STG	(A) Open to public inspection
TI	(A) Coating composition for glass
PA	(A) ATOCHEM NORTH AMERICA ELF
IN	(A) RUSSO DAVID A; DIRKX RYAN R; FLORCZAK GLENN P
IC	(A) C03C-017/245 C23C-016/40
PN2	AU663559 B2 19951012 [AU-663559]
STG2	(B2) Patent preceeded by A1
TI2	(B2) Coating composition for glass
PA2	(B2) ATOCHEM NORTH AMERICA ELF
IN2	(B2) RUSSO DAVID A; DIRKX RYAN R; FLORCZAK GLENN P
IC2	(B2) C03C-017/245 C23C-016/40
AP	AU3322993 19921221 [1993AU-0033229]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210873 19921221 [1992WO-US10873]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

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	📆 AU663559	B2	19951012	[AU-663559](B2) Patent preceeded by A1
AP	AU3322993 1992	1221	[1993AU-0	033229]

PUB	19921221 AU-API [POS; EXM] FILING DETAILS AU3322993 19921221 [1993AU-0033229] 19930728 AU-A [POS; EXM] Open to public inspection AU3322993 A 19930728 [AU9333229] 19951012 AU-B2 [POS; PIF] Patent preceeded by A1 AU663559 B2 19951012 [AU-663559]
ACTE	20001109 AU/HB-A [NMC] ALTERATION OF NAME IN REGISTER OWNER: ATOFINA CHEMICALS, INC. FORMER NAME WAS: ELF ATOCHEM NORTH AMERICA, INC.
LEG	NMC Alive
UP	2006-34



AU9333230 (A) Coated glass article

PN		200 A. A. Common Brings International
TI (A) Coated glass article PA (A) ATOCHEM NORTH AMERICA ELF IN (A) RUSSO DAVID A; DIRKX RYAN R; FLORCZAK GLENN P IC (A) 832B-017/06 PN2	PN	M AU3323093 A 19930728 [AU9333230]
PA (A) ATOCHEM NORTH AMERICA ELF IN (A) RUSSO DAVID A; DIRKX RYAN R; FLORCZAK GLENN P IC (A) B32B-017/06 PN2	STG	(A) Open to public inspection
IN	TI	(A) Coated glass article
IC (A) B32B-017/06 PN2	PA	(A) ATOCHEM NORTH AMERICA ELF
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STG2 (B2) Patent preceeded by A1 TI2 (B2) Coated glass article PA2 (B2) ATOCHEM NORTH AMERICA ELF IN2 (B2) RUSSO DAVID A; DIRKX RYAN R; FLORCZAK GLENN P IC2 (B2) C03C-017/245 C03C-017/34 AP AU3323093 19921221 [1993AU-0033230] PR WOUS9210874 19921221 [1992WO-US10874] US81435291 19911226 [1991US-0814352] US81435291 19911226 [1991US-0814352] US8143691 19911226 [1991US-0814366] ICAA B32B-009/00 [2006-01 A F I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C03C-016/40 [2006-01 A L I R M JP] B32B-019/00 [2006 C F I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/23 [2006-01 A - I R M EP] C03C-017/23 [2006-01 A - I R M EP] C03C-017/24 [2006 C - I R M EP] C03C-017/245 [2006-01 A I R M IP] C23C-016/40 [2006 C - I R M EP] C03C-017/34D2 [2006 C - I R M EP]	IC	(A) B32B-017/06
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B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP] EC B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B	ICAA	B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP]
C03C-017/245 C03C-017/34D2 C23C-016/40B	ICCA	B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP]
ICO M03C-217/152	EC	C03C-017/245 C03C-017/34D2
	ICO	M03C-217/152

	M03C-217/230	
DT	Corresponding document	

PN	Maria AU3323093 A 19930728 [AU9333230](A) Open to public inspection
	Marian AU651754 B2 19940728 [AU-651754](B2) Patent preceeded by A1
AP	AU3323093 19921221 [1993AU-0033230]
PUB	19921221 AU-API [POS; EXM] FILING DETAILS AU3323093 19921221 [1993AU-0033230] 19930728 AU-A [POS; EXM] Open to public inspection AU3323093 A 19930728 [AU9333230] 19940728 AU-B2 [POS; PIF] Patent preceeded by A1 AU651754 B2 19940728 [AU-651754]
ACTE	20001109 AU/HB-A [NMC] ALTERATION OF NAME IN REGISTER OWNER: ATOFINA CHEMICALS, INC. FORMER NAME WAS: ELF ATOCHEM NORTH AMERICA, INC.
LEG	NMC Alive
UP	2006-34

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BR9205	5672
PN	BR9205672 A 19940802 [BR9205672]
STG	(A) Patent Application
OTI	(A) Composição gasosa
PA	(A) ATOCHEM NORTH AMERICA ELF (US)
IN	(A) RUSSO DAVID ALAN; DIRKX RYAN RICHARD; FLORCZAK GLENN PATRICK
IC	(A) C03C-017/245 C03C-017/27
AP	BR9205672 19921221 [1992BR-0005672]
PR	WOUS9210873 19921221 [1992WO-US10873] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
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	C23C-016/40B	
ICO	M03C-217/152 M03C-217/230	
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PN	BR9205672 A 19940802 [BR9205672](A) Patent application
ΑP	BR9205672 19921221 [1992BR-0005672]
PUB	19921221 BR-API [POS; EXM] FILING DETAILS BR9205672 19921221 [1992BR-0005672] 19940802 BR-A [POS; PIF] Patent application BR9205672 A 19940802 [BR9205672]
ACTE	19960130 BR/EE-A [POS; EXM] REQUEST FOR EXAMINATION 19990105 BR/FB36-A [NEG; ADM] TECHNICAL AND FORMAL REQUIREMENTS: REQUIREMENT - ARTICLE 36 OF INDUSTRIAL PROPERTY LAW 19990713 BR/FF-A [POS; PIF] DECISION: GRANTING 19990713 BR/HO-A [CCL] CHANGE OF CLASSIFICATION INT. CL. 6 C03C 17/245 E C03C 17/27 20000111 BR/FG9A-A [POS; PIF] PATENT OR CERTIFICATE OF ADDITION GRANTED 20010724 BR/TC-A [NMC] CHANGE OF PROPRIETOR'S NAME 20010724 BR/TE-A [NMC] CHANGE OF ADDRESS
LEG	NMC Alive
UP	2009-11

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BR9205673

BHASAS	9/3
PN	BR9205673 A 19940802 [BR9205673]
STG	(A) Patent Application
ОТІ	 (A) Processo para revestimento de substratos de vidro e processo para produzir sobre vidro uma camada tendo um índice de refração controlado
PA	(A) ATOCHEM NORTH AMERICA ELF (US)
IN	(A) RUSSO DAVID ALAN; DIRKX RYAN RICHARD; FLORCZAK GLENN PATRICK
IC	(A) C03C-017/245 C03C-017/27
AP	BR9205673 19921221 [1992BR-0005673]
PR	WOUS9210872 19921221 [1992WO-US10872] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
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EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

PN	BR9205673 A 19940802 [BR9205673](A) Patent application
AP	BR9205673 19921221 [1992BR-0005673]
PUB	19921221 BR-API [POS; EXM] FILING DETAILS BR9205673 19921221 [1992BR-0005673] 19940802 BR-A [POS; PIF] Patent application BR9205673 A 19940802 [BR9205673]
ACTE	19960206 BR/EE-A [POS; EXM] REQUEST FOR EXAMINATION 19990105 BR/FB36-A [NEG; ADM] TECHNICAL AND FORMAL REQUIREMENTS: REQUIREMENT - ARTICLE 36 OF INDUSTRIAL PROPERTY LAW 19990713 BR/FF-A [POS; PIF] DECISION: GRANTING 19990713 BR/HO-A [CCL] CHANGE OF CLASSIFICATION INT. CL. 6 C03C 17/245 E C03C 17/27 20000111 BR/FG9A-A [POS; PIF] PATENT OR CERTIFICATE OF ADDITION GRANTED 20010724 BR/TE-A [NMC] CHANGE OF ADDRESS 20010807 BR/TC-A [NMC] CHANGE OF PROPRIETOR'S NAME
LEG	NMC Alive
UP	2009-11

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BR9205674

PN	BR9205674 A 19940524 [BR9205674]
STG	(A) Patent Application
OTI	(A) Artigo de fabricaçao
PA	(A) ATOCHEM NORTH AMERICA ELF (US)
IN	(A) RUSSO DAVID ALAN; DIRKX RYAN RICHARD; FLORCZAK GLENN PATRICK
IC	(A) B32B-017/06
AP	BR9205674 19921221 [1992BR-0005674]
PR	WOUS9210874 19921221 [1992WO-US10874] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]

ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C03C-017/32 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
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ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

PN	BR9205674 A 19940524 [BR9205674](A) Patent application
AP	BR9205674 19921221 [1992BR-0005674]
PUB	19921221 BR-API [POS; EXM] FILING DETAILS BR9205674 19921221 [1992BR-0005674] 19940524 BR-A [POS; PIF] Patent application BR9205674 A 19940524 [BR9205674]
ACTE	19990518 BR/EG-A [NEG; OPP] TECHNICAL EXAMINATION (OPINION): PUBLICATION OF TECHNICAL EXAMINATION (OPINION) 20000229 BR/FB36-A [NEG; ADM] TECHNICAL AND FORMAL REQUIREMENTS: REQUIREMENT - ARTICLE 36 OF INDUSTRIAL PROPERTY LAW 20000905 BR/FF-A [POS; PIF] DECISION: GRANTING 20001128 BR/FG9A-A [POS; PIF] PATENT OR CERTIFICATE OF ADDITION GRANTED 20001128 BR/HO-A [CCL] CHANGE OF CLASSIFICATION ALTERADA DE INT. CL. 5 B32B 17/06 20010724 BR/TC-A [NMC] CHANGE OF PROPRIETOR'S NAME 20010724 BR/TE-A [NMC] CHANGE OF ADDRESS
LEG	NMC Alive
UP	2009-11

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CA2104590 (A1) COATED GLASS ARTICLE

PN	CA2104590 A1 19930627 [CA2104590]	
STG	(A1) Application laid open	
TI	(A1) COATED GLASS ARTICLE	

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ОТІ	(A1) ARTICLE DE VERRE ENDUIT
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IN	(A1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A1) C03C-017/245
PN2	CA2104590 C 20070508 [CA2104590]
STG2	(C) Patent
TI2	(C) COATED GLASS ARTICLE
OTI2	(C) ARTICLE DE VERRE ENDUIT
PA2	(C) ATOCHEM NORTH AMERICA ELF (US)
IN2	(C) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(C) B32B-009/00 B32B-017/00 B32B-017/06 C03C-017/23 C03C-017/245 C03C-017/34 C07F-007/00 C07F-007/22 C23C-016/22 C23C-016/40
LA	ENGLISH (ENG)
AP	CA2104590 19921221 [1992CA-2104590]
PR	WOUS9210874 19921221 [1992WO-US10874] US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F R M JP] C03C-017/245 [2006-01 A F B H CA] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A L R M EP] C03C-017/34 [2006-01 A L R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A L R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] C03C-017/23 [2006 C F B H CA] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C L R M EP] C03C-017/34 [2006 C L R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C L R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

PN	WO9312934 A1 19930708 [WO9312934](A1) International publication with international search report
AP	WOUS9210874 19921221 [1992WO-US10874]
PUB	19921221 WO-API [POS; EXM] FILING DETAILS WOUS9210874 19921221 [1992WO-US10874] 19930708 WO-A1 [POS; EXM] International publication with international search report WO9312934 A1 19930708 [WO9312934]
ACTE	19930212 WO/ENP [ENP] ENTRY INTO THE NATIONAL PHASE IN: Corresponding Appl: US 1993 104100 19930212 [1993US-0104100] 19930708 WO/AK [POS; ADM] DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT

AU BR CA CS HU JP KR NO NZ PL RU US 19930708 WO/AL [POS; ADM] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE 19930806 WO/WWE [POS; ENP] WIPO INFORMATION: ENTRY INTO NATIONAL PHASE Corresponding Appl: EP 1993901246 [1993EP-0901246] 19930820 WO/ENP [ENP] ENTRY INTO THE NATIONAL PHASE IN: Corresponding Pat: CA 2104590 [CA2104590] 19930824 WO/WWE [POS; ENP] WIPO INFORMATION: ENTRY INTO NATIONAL PHASE Corresponding Appl: CZ PV1993-1735 [1993CZ-0001735] 19930826 WO/ENP [ENP] ENTRY INTO THE NATIONAL PHASE IN: Corresponding Appl: SK 91493 [1993SK-0000914] 19931014 WO/EX32 [ADM] EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR INTERNATIONAL PUBLICATION ΚZ 19931215 WO/WWP [POS; ADM] WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE Corresponding Appl: EP 1993901246 [1993EP-0901246] 19940518 WO/WWP [POS; ADM] WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE Corresponding Appl: CZ PV1993-1735 [1993CZ-0001735] 19940609 WO/EX32 [ADM] EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR INTERNATIONAL PUBLICATION UΖ 19950524 WO/WWW [NEG; RLW] WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE Corresponding Appl: EP 1993901246 [1993EP-0901246] 20020213 WO/WWG [POS; ADM] WIPO INFORMATION: GRANT IN NATIONAL OFFICE Corresponding Appl: CZ PV1993-1735 [1993CZ-0001735] **ADM** LEG Alive UP 2008-29

PN	CA2104590 A1 19930627 [CA2104590](A1) Application laid open
	CA2104590 C 20070508 [CA2104590](C) Patent (second level)
AP	CA2104590 19921221 [1992CA-2104590]
PUB	19921221 CA-API [POS; EXM] FILING DETAILS CA2104590 19921221 [1992CA-2104590] 19930627 CA-A1 [POS; EXM] Application laid open CA2104590 A1 19930627 [CA2104590] 20070508 CA-C [POS; PIF] Patent (second level) CA2104590 C 20070508 [CA2104590]
ACTE	19930820 CA/AFNE-A [POS; ENP] NATIONAL PHASE ENTRY 19991129 CA/EEER-A [POS; EXM] EXAMINATION REQUEST
LEG	EXM Alive
UP	2006-13



CA2104591 (A1) COATING COMPOSITION FOR GLASS

C7-12-10-1	391 (AT) COATING COMPOSITION FOR GLASS
PN	CA2104591 A1 19930627 [CA2104591]
STG	(A1) Application laid open
TI	(A1) COATING COMPOSITION FOR GLASS
OTI	(A1) COMPOSE DE REVETEMENT POUR VERRE
PA	(A1) ATOCHEM NORTH AMERICA ELF (US)
IN	(A1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A1) C03C-017/00 C23C-030/00
PN2	CA2104591 C 20000314 [CA2104591]
STG2	(C) Patent
TI2	(C) COMPOSITION FOR COATING GLASS CONTAINING AN ACCELERANT
OTI2	(C) COMPOSE DE REVETEMENT POUR VERRE
PA2	(C) ATOCHEM NORTH AMERICA ELF (US)
IN2	(C) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(C) C03C-017/245 C23C-016/40
LA	ENGLISH (ENG)
AP	CA2104591 19921221 [1992CA-2104591]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210873 19921221 [1992WO-US10873]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

PN	WO9313393 A1 19930708 [WO9313393](A1) International publication with international search report
ΑP	WOUS9210873 19921221 [1992WO-US10873]
PUB	19921221 WO-API [POS; EXM] FILING DETAILS WOUS9210873 19921221 [1992WO-US10873] 19930708 WO-A1 [POS; EXM] International publication with international search report WO9313393 A1 19930708 [WO9313393]

ACTE 19930708 WO/AK [POS; ADM] DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AU BR CA CS HU JP KR NO NZ PL RU US 19930708 WO/AL [POS; ADM] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE 19930806 WO/WWE [POS; ENP] WIPO INFORMATION: ENTRY INTO NATIONAL PHASE Corresponding Appl: EP 1993901245 [1993EP-0901245] 19930820 WO/ENP [ENP] ENTRY INTO THE NATIONAL PHASE IN: Corresponding Pat: CA 2104591 [CA2104591] 19930824 WO/WWE [POS; ENP] WIPO INFORMATION: ENTRY INTO NATIONAL PHASE Corresponding Appl: CZ PV1993-1734 [1993CZ-0001734] 19930826 WO/ENP [ENP] ENTRY INTO THE NATIONAL PHASE IN: Corresponding Appl: SK 91393 [1993SK-0000913] 19931014 WO/EX32 [ADM] EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR INTERNATIONAL PUBLICATION ΚZ 19931213 WO/WWE [POS; ENP] WIPO INFORMATION: ENTRY INTO NATIONAL PHASE Corresponding Doc: US 08104125 19931215 WO/WWP [POS; ADM] WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE Corresponding Appl: EP 1993901245 [1993EP-0901245] 19940518 WO/WWP [POS; ADM] WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE Corresponding Appl: CZ PV1993-1734 [1993CZ-0001734] 19940623 WO/EX32 [ADM] EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR INTERNATIONAL PUBLICATION UΖ 19991027 WO/WWG [POS; ADM] WIPO INFORMATION: GRANT IN NATIONAL OFFICE Corresponding Appl: EP 1993901245 [1993EP-0901245] 20000712 WO/WWG [POS; ADM]

WIPO INFORMATION: GRANT IN NATIONAL OFFICE Corresponding Appl: CZ PV1993-1734 [1993CZ-0001734]

LEG

UP

ADM Alive

2008-29

PN	CA2104591 A1 19930627 [CA2104591](A1) Application laid open CA2104591 C 20000314 [CA2104591](C) Patent (second level)
AP	CA2104591 19921221 [1992CA-2104591]
PUB	19921221 CA-API [POS; EXM] FILING DETAILS CA2104591 19921221 [1992CA-2104591] 19930627 CA-A1 [POS; EXM] Application laid open CA2104591 A1 19930627 [CA2104591] 20000314 CA-C [POS; PIF] Patent (second level) CA2104591 C 20000314 [CA2104591]
ACTE	19930820 CA/AFNE-A [POS; ENP] NATIONAL PHASE ENTRY 19960617 CA/EEER-A [POS; EXM] EXAMINATION REQUEST

	20061221 CA/MKLA-A [NEG; NIF] LAPSED	
LEG	NIF Dead	
UP	2007-08	

CA2104592 (A1) METHOD FOR COATING GLASS SUBSTRATES

UMZ IUW	092 (AT) METHOD FOR COATING GLASS SUBSTRATES
PN	CA2104592 A1 19930627 [CA2104592]
STG	(A1) Application laid open
TI	(A1) METHOD FOR COATING GLASS SUBSTRATES
OTI	(A1) METHODE DE REVETEMENT DE SUBSTRATS EN VERRE
PA	(A1) ATOCHEM NORTH AMERICA ELF (US)
IN	(A1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A1) B05D-005/06 C03C-017/245
LA	ENGLISH (ENG)
AP	CA2104592 19921221 [1992CA-2104592]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

PN	WO9312892 A1 19930708 [WO9312892](A1) International publication with international search report
AP	WOUS9210872 19921221 [1992WO-US10872]
PUB	19921221 WO-API [POS; EXM] FILING DETAILS WOUS9210872 19921221 [1992WO-US10872] 19930708 WO-A1 [POS; EXM] International publication with international search report WO9312892 A1 19930708 [WO9312892]
ACTE	19930708 WO/AK [POS; ADM] DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AU BR CA CS HU JP KR NO NZ PL RU US

19930708 WO/AL [POS; ADM] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE 19930806 WO/WWE [POS; ENP] WIPO INFORMATION: ENTRY INTO NATIONAL PHASE Corresponding Appl: EP 1993901244 [1993EP-0901244] 19930820 WO/ENP [ENP] ENTRY INTO THE NATIONAL PHASE IN: Corresponding Pat: CA 2104592 [CA2104592] 19930824 WO/WWE [POS; ENP] WIPO INFORMATION: ENTRY INTO NATIONAL PHASE Corresponding Appl: CZ PV1993-1733 [1993CZ-0001733] 19930826 WO/ENP [ENP] ENTRY INTO THE NATIONAL PHASE IN: Corresponding Appl: SK 91593 [1993SK-0000915] 19931014 WO/EX32 [ADM] EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR INTERNATIONAL PUBLICATION ΚZ 19931207 WO/ENP [ENP] ENTRY INTO THE NATIONAL PHASE IN: Corresponding Appl: US 1993 104124 19931207 [1993US-0104124] 19940216 WO/WWP [POS; ADM] WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE Corresponding Appl: EP 1993901244 [1993EP-0901244] 19940518 WO/WWP [POS; ADM] WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE Corresponding Appl: CZ PV1993-1733 [1993CZ-0001733] 19940609 WO/EX32 [ADM] EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR INTERNATIONAL PUBLICATION UΖ 19950524 WO/WWW [NEG; RLW] WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE Corresponding Appl: EP 1993901244 [1993EP-0901244] 20000712 WO/WWG [POS; ADM] WIPO INFORMATION: GRANT IN NATIONAL OFFICE Corresponding Appl: CZ PV1993-1733 [1993CZ-0001733] LEG **ADM** Alive UP 2008-29

PN	CA2104592 A1 19930627 [CA2104592](A1) Application laid open
AP	CA2104592 19921221 [1992CA-2104592]
PUB	19921221 CA-API [POS; EXM] FILING DETAILS CA2104592 19921221 [1992CA-2104592] 19930627 CA-A1 [POS; EXM] Application laid open CA2104592 A1 19930627 [CA2104592]
ACTE	19930820 CA/AFNE-A [POS; ENP] NATIONAL PHASE ENTRY 19990714 CA/EER-A [POS; EXM] EXAMINATION REQUEST 20051221 CA/FZDE-A [NEG; NIF] DEAD
LEG	NIF Dead
UP	2006-44



CN1074889 (A) COATED ARTICLE

STG (A) Unexamined application TI (A) COATED ARTICLE PA (A) ATOCHEM NORTH AMERICA ELF (US) (IN (A) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US) (IC (A) CO3C-017/245 CO3C-017/34 PN2 ○ CN1041814 C 19990127 [CN1041814C] STG2 (C) Granted patent TI2 (C) Coated article PA2 (C) ATOCHEM NORTH AMERICA ELF (US) (IN2 (C) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US) (IN2 (C) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US) (IC2 (C) CO3C-017/245 AP CN92115289 19921226 [1992CN-0115289] PR WOUS9210872 19921226 [1991US-0814366] US81435691 19911227 [1991US-0814352] US81435691 19911227 [1991US-0814352] US81435691 19911227 [1991US-0814352] US81435291 190000 [2006-01 A - I R M JP] B32B-017/00 [2006-01 A - I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/24 [2006-01 A - I R M EP] C03C-017/24 [2006-01 A - I R M EP] C23C-016/40 [2006-01 A - I R M EP] C3SC-016/40 [2006-01 A - I R M EP] C03C-017/23 [2006-01 A - I R M EP] C03C-017/24 [2006-01 A - I R M EP] C03C-017/24 [2006-01 A - I R M EP] C03C-017/24 [2006-01 A - I R M EP] C23C-016/40 [2006 C - I R M EP] C03C-017/24 [2006 C - I R M EP] C03C-016/40 [2006 C - I R M EP] C03C-017/24 [2006 C - I R M EP] C03C-016/40 [2006 C - I R M EP] C03C-017/24 [2006 C - I R M EP] C03C-017/24 [2006 C - I R M EP] C03C-016/40 [2006 C - I R M EP]		NOTED ATTOLE
TI (A) COATED ARTICLE PA (A) ATOCHEM NORTH AMERICA ELF (US) (IN (A) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US) (IC (A) C03C-017/245 C03C-017/34 PN2	PN	CN1074889 A 19930804 [CN1074889]
PA (A) ATOCHEM NORTH AMERICA ELF (US) IN (A) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US) IC (A), C03C-017/245 C03C-017/34 PN2	STG	(A) Unexamined application
IN (A) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US) IC (A) C03C-017/245 C03C-017/34 PN2	TI	(A) COATED ARTICLE
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STG2 (C) Granted patent TI2 (C) Coated article PA2 (C) ATOCHEM NORTH AMERICA ELF (US) IN2 (C) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US) IC2 (C) C03C-017/245 AP CN92115289 19921226 [1992CN-0115289] PR WOUS9210872 19921221 [1992WO-US10872] US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] ICAA B32B-009/00 [2006-01 A F R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-016/22 [2006-01 A - I R M EP] C03C-016/22 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-016/22 [2006-01 A L I R M JP] B32B-017/00 [2006 C F R M JP] B32B-017/00 [2006 C - I R M EP] C03C-017/24 [2006 C - I R M EP] C03C-017/245 [2006 C - I R M EP] C03C-017/34D2 C23C-016/40B ICO M03C-217/152 M03C-217/152 M03C-217/152	IC	(A) C03C-017/245 C03C-017/34
TIZ (C) Coated article PA2 (C) ATOCHEM NORTH AMERICA ELF (US) IN2 (C) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US) IC2 (C) C03C-017/245 AP CN92115289 19921226 [1992CN-0115289] PR WOUS9210872 19921221 [1992WO-US10872]	PN2	CN1041814 C 19990127 [CN1041814C]
PA2	STG2	(C) Granted patent
IN2	TI2	(C) Coated article
IC2 (C) C03C-017/245 AP CN92115289 19921226 [1992CN-0115289] PR WOUS9210872 19921221 [1992WO-US10872] US81435691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] ICAA B32B-009/00 [2006-01 A F R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-016/22 [2006-01 A - R M EP] C23C-016/22 [2006-01 A - R M EP] C23C-016/20 [2006-01 A - R M EP] C23C-016/20 [2006-01 A - R M EP] C3G-017/24 [2006 C - R M EP] C3G-017/23 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/24 [2006 C - R M EP] C03C-016/20 [2006 C - R M EP] C03C-016/20 [2006 C - R M EP] C03C-016/40 [2006 C - R M EP] C23C-016/40 [2006 C - R M EP] C03C-017/245 C03C-017/245 C03C-017/245 C03C-017/245 C03C-017/245 C03C-016/40B	PA2	(C) ATOCHEM NORTH AMERICA ELF (US)
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PR WOUS9210872 19921221 [1992WO-US10872]	IC2	(C) C03C-017/245
US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] ICAA B32B-009/00 [2006-01 A F R M JP] B32B-017/06 [2006-01 A - I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C03C-016/42 [2006-01 A - I R M EP] C23C-016/40 [2006-01 A - I R M JP] C23C-016/40 [2006-01 A - I R M JP] B32B-017/00 [2006 C F R M JP] B32B-017/00 [2006 C F R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C23C-016/40 [2006 C - I R M EP] C3C-017/34D2 C23C-016/40B ICO M03C-217/152 M03C-217/230	AP	CN92115289 19921226 [1992CN-0115289]
B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP] C23C-016/40 [2006-01 A - I R M EP] C23C-016/40 [2006 C F I R M JP] B32B-017/06 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/24 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/20 [2006 C - I R M EP] C23C-016/40 [2006 C - I R M EP] C23C-016/40 [2006 C - I R M EP] C03C-017/245 C03C-017/245 C03C-017/245 C03C-016/40B CO	PR	US81436691 19911226 [1991US-0814366]
B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP] EC B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B ICO M03C-217/152 M03C-217/230	ICAA	B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP]
C03C-017/245 C03C-017/34D2 C23C-016/40B ICO M03C-217/152 M03C-217/230	ICCA	B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP]
M03C-217/230	EC	C03C-017/245 C03C-017/34D2
DT Corresponding document	ICO	
	DT	Corresponding document

14 / 63 PLUSPAT - Worldwide Patents - ©Questel



CN1074890 (A) Method for coating glass substrates

PN	CN1074890 A 19930804 [CN1074890]
STG	(A) Unexamined application
TI	(A) Method for coating glass substrates
PA	(A) ATOCHEM NORTH AMERICA ELF (US)
IN	(A) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A) C03C-017/245 C03C-017/34
PN2	TN CN1043988 C 19990707 [CN1043988C]

STG2	(C) Granted patent
TI2	(C) Method for coating glass substrates
PA2	(C) ATOCHEM NORTH AMERICA ELF (US)
IN2	(C) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(C) C03C-017/245
AP	CN92115290 19921226 [1992CN-0115290]
PR	US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366] WOUS9210873 19921221 [1992WO-US10873]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C03C-017/32 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C - R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document



CN1074891 (A) COATING COMPOSITION FOR GLASS

C-14 103 2 4	631 (A) COATING COMPOSITION FOR GEASS
PN	T CN1074891 A 19930804 [CN1074891]
STG	(A) Unexamined application
TI	(A) COATING COMPOSITION FOR GLASS
PA	(A) ATOCHEM NORTH AMERICA ELF (US)
IN	(A) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A) C03C-017/245 C03C-017/34
PN2	TO CN1041815 C 19990127 [CN1041815C]
STG2	(C) Granted patent
TI2	(C) Coating composition for glass
PA2	(C) ATOCHEM NORTH AMERICA ELF (US)
IN2	(C) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(C) C03C-017/245 C03C-017/34
AP	CN92115316 19921226 [1992CN-0115316]
PR	WOUS9210873 19921221 [1992WO-US10873] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP]

	C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C - R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

CZ9301733 (A3) PROCESS OF COATING GLASS SUBSTRATES

CZ9301/	733 (A3) PROCESS OF COATING GLASS SUBSTRATES
PN	CZ9301733 A3 19940518 [CZ9301733]
STG	(A3) Application for patent
TI	(A3) PROCESS OF COATING GLASS SUBSTRATES
PA	(A3) ATOCHEM NORTH AMERICA ELF (US)
IN	(A3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A3) C23C-016/22 C23C-016/40
AP	CS173393 19921221 [1993CS-0001733]
PR	WOUS9210872 19921221 [1992WO-US10872] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2000-08

PN	CZ286854 B6 20000712 [CZ-286854](B6) Patent specification
AP	CZ173393 19921221 [1993CZ-0001733]
PUB	19921221 CZ-API [POS; EXM] FILING DETAILS CZ173393 19921221 [1993CZ-0001733] 20000712 CZ-B6 [POS; PIF] Patent specification CZ286854 B6 20000712 [CZ-286854]
ACTE	20000630 CZ/IF00-A [POS; PIF] In force as of 2000-06-30 20060816 CZ/MM4A-A [NEG; NIF] Lapse of patent due to failure of payment of fees EFFECTIVE DATE: 20051221
LEG	NIF Dead
UP	2006-36

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CZ9301734 (A3) MIXTURE FOR COATING GLASS

PN	CZ9301734 A3 19940518 [CZ9301734]
STG	(A3) Application for patent
TI	(A3) MIXTURE FOR COATING GLASS
PA	(A3) ATOCHEM NORTH AMERICA ELF (US)
IN	(A3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A3) C03C-017/23 C03C-017/245 C07F-007/22
AP	CS173493 19921221 [1993CS-0001734]
PR	WOUS9210873 19921221 [1992WO-US10873] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2000-08

PN	CZ286855 B6 20000712 [CZ-286855](B6) Patent specification
ΑP	CZ173493 19921221 [1993CZ-0001734]
PUB	19921221 CZ-API [POS; EXM] FILING DETAILS CZ173493 19921221 [1993CZ-0001734] 20000712 CZ-B6 [POS; PIF] Patent specification CZ286855 B6 20000712 [CZ-286855]
ACTE	20000630 CZ/IF00-A [POS; PIF] In force as of 2000-06-30
LEG	PIF Alive
UP	2003-22

18 / 63 PLUSPAT - Worldwide Patents - ©Questel



CZ9301735 (A3) COATED GLASS ARTICLE

,	730 (AS) COM LED GEASS AN LICEE
PN	CZ9301735 A3 19940518 [CZ9301735]
STG	(A3) Application for patent
TI	(A3) COATED GLASS ARTICLE
PA	(A3) ATOCHEM NORTH AMERICA ELF (US)
IN	(A3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A3) B32B-017/06 C03C-017/02 C03C-017/23 C03C-017/245
AP	CS173593 19921221 [1993CS-0001735]
PR	WOUS9210874 19921221 [1992WO-US10874] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C03C-017/32 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2000-08

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CZ-289572 (B6) Glass product

PN	T CZ289572 B6 20020213 [CZ-289572]
STG	(B6) Patent specification
TI	(B6) Glass product
PA	(B6) ATOFINA CHEMICALS (US)
IN	(B6) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(B6) C03C-017/245 C03C-017/34
AP	CZ173593 19921221 [1993CZ-0001735]
PR	US81436691 19911226 [1991US-0814366]
ICAA	C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP]
ICCA	C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP]
DT	Corresponding document
UP	2002-14

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DE69230219

DE69230	0219
PN	DE69230219 D1 19991202 [DE69230219]
STG	(D1) Granted EP number in bulletin
OTI	(D1) ZUSAMMENSETZUNG EINER DECKSCHICHT FÜR GLAS
PA	(D1) ATOCHEM NORTH AMERICA ELF (US)
IN	(D1) RUSSO DAVID (US); DIRKX RYAN (US); FLORCZAK GLENN (US)
IC	(D1) C03C-017/245
PN2	DE69230219 T2 20000210 [DE69230219]
STG2	(T2) Trans. Of EP patent
OTI2	(T2) ZUSAMMENSETZUNG EINER DECKSCHICHT FÜR GLAS
PA2	(T2) ATOCHEM NORTH AMERICA ELF (US)
IN2	(T2) RUSSO DAVID (US); DIRKX RYAN (US); FLORCZAK GLENN (US)
IC2	(T2) C03C-017/245
AP	DE69230219T 19921221 [1992DE-6030219]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210873 19921221 [1992WO-US10873]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2

	C23C-016/40B	
ICO	M03C-217/152 M03C-217/230	
DT	Corresponding document	

1 / 2 LI	EGALI - ©EPO	
PN	EP0573639 A1 19931215 [EP-573639](A1) Application published with search report EP0573639 A4 19950104 [EP-573639](A4) Supplementary search report EP0573639 B1 19991027 [EP-573639](B1) Patent specification	*****
	<u>—</u>	
AP	EP93901245 19921221 [1993EP-0901245]	
PUB	19921221 EP-API [POS; EXM] FILING DETAILS EP93901245 19921221 [1993EP-0901245] 19931215 EP-A1 [POS; EXM] Application published with search report EP0573639 A1 19931215 [EP-573639] 19950104 EP-A4 [POS; EXM] Supplementary search report EP0573639 A4 19950104 [EP-573639] 19991027 EP-B1 [POS; PIF] Patent specification EP0573639 B1 19991027 [EP-573639]	
ACTE	19931215 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19931215 EP/17P-A [POS; EXM] REQUEST FOR EXAMINATION FILED EFFECTIVE DATE: 19930806 19941228 EP/RHK1-A [CCL] MAIN CLASSIFICATION (CORRECTION) CO3C-017/245 19950104 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19950104 EP/AK-A [POS; ADM] SUPPLEMENTARY SEARCH REPORT EFFECTIVE DATE: 19941115 19950823 EP/17Q-A [POS; EXM] FIRST EXAMINATION REPORT EFFECTIVE DATE: 19950710 19960110 EP/RAP1-A [NMC] APPLICANT REASSIGNMENT (CORRECTION) OWNER: ELF ATOCHEM NORTH AMERICA, INC. 19960110 EP/RAP3-A [NMC] APPLICANT CHANGE OF NAME (CORRECTION) OWNER: ELF ATOCHEM NORTH AMERICA, INC. 19980415 EP/RAP1-A [NMC] APPLICANT REASSIGNMENT (CORRECTION) OWNER: ELF ATOCHEM NORTH AMERICA, INC. 19991027 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19991027 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19991029 EP/REF-A [ENP] CORRESPONDS TO: Corresponding Pat: AT 186039 19991115 [ATE186039] 19991029 EP/REG-A; CH/NV [NMC] REFERENCE TO A NATIONAL CODE CH: NEW AGENT Corresponding co: CH REPRESENTATIVE: E. BLUM & CO. PATENTANWAELTE 19991029 EP/REG-A; CH/EP [POS: ENP] REFERENCE TO A NATIONAL CODE	

CH: ENTRY IN THE NATIONAL PHASE

Corresponding cc: CH

19991105 EP/ITF-A [POS; ENP]

IT: TRANSLATION FOR A EP PATENT FILED OWNER: BARZANO' E ZANARDO ROMA S.P.A.

19991202 EP/REF-A [ENP] CORRESPONDS TO:

Corresponding Pat: DE 69230219 19991202 [DE69230219]

19991203 EP/ET-A [POS; ENP] FR: TRANSLATION FILED

20000101 EP/REG-A; ES/FG2A [ENP] REFERENCE TO A NATIONAL CODE ES: DEFINITIVE PROTECTION

Corresponding Pat: ES 2137984 0 [ES2137984] 20000126 EP/REG-A; IE/FG4D [POS; PIF] REFERENCE TO A NATIONAL CODE

IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND

Corresponding cc: IE

20000207 EP/REG-A; DK/T3 [POS; EXM; ENP]

REFERENCE TO A NATIONAL CODE DK: TRANSLATION OF EP PATENT

Corresponding cc: DK

20000229 EP/REG-A; PT/SC4A [POS; EXM] REFERENCE TO A NATIONAL CODE PT: TRANSLATION IS AVAILABLE

Corresponding cc: PT

EFFECTIVE DATE: 19991116

AVAILABILITY OF NATIONAL TRANSLATION

20001011 EP/26N-A [POS; OPP]

NO OPPOSITION FILED

20001031 EP/REG-A; CH/PFA [NMC] REFERENCE TO A NATIONAL CODE

CH: NAME/FIRM CHANGED Corresponding cc: CH

ELF ATOCHEM NORTH AMERICA, INC. TRANSFER- ATOFINA CHEMICALS, INC.

20001229 EP/REG-A; PT/PD4A [NMC] REFERENCE TO A NATIONAL CODE PT: CHANGE OF PROPRIETORSHIP

Corresponding cc: PT

EFFECTIVE DATE: 20000908 ATOFINA CHEMICALS, INC US 20010629 EP/REG-A; FR/CD [NMC] REFERENCE TO A NATIONAL CODE FR: CHANGE OF NAME OF NOMINATION

Corresponding cc: FR

20010629 EP/REG-A; FR/CA [NMC] REFERENCE TO A NATIONAL CODE

FR: CHANGE OF ADDRESS

Corresponding cc: FR

20020101 EP/REG-A; GB/IF02 [POS; PIF] REFERENCE TO A NATIONAL CODE

GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01

Corresponding cc: GB

20021120 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: MC

PAYMENT DATE: 20021120; PAYMENT YEAR: 11

20031231 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: MC EFFECTIVE DATE: 20031231

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20041126 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: GR

PAYMENT DATE: 20041126; PAYMENT YEAR: 13

20041205 EP/PGFP-A [POS: PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: NL

PAYMENT DATE: 20041205; PAYMENT YEAR: 13

20041206 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: SE

PAYMENT DATE: 20041206; PAYMENT YEAR: 13

20041213 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: AT

PAYMENT DATE: 20041213; PAYMENT YEAR: 13

20041213 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: PT

PAYMENT DĂTE: 20041213; PAYMENT YEAR: 13

20041215 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: GB

PAYMENT DATE: 20041215; PAYMENT YEAR: 13

20041216 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: DE

PAYMENT DATE: 20041216; PAYMENT YEAR: 13

20041217 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IE

PAYMENT DATE: 20041217; PAYMENT YEAR: 13

20041217 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: DK

PAYMENT DATE: 20041217; PAYMENT YEAR: 13

20041228 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: LU

PAYMENT DATE: 20041228; PAYMENT YEAR: 13

20050315 EP/REG-A; CH/PFA [NMC] REFERENCE TO A NATIONAL CODE

CH: NAME/FIRM CHANGED Corresponding cc: CH OWNER: ARKEMA INC.

ATOFINA CHEMICALS, INC.#2000 MARKET STREET#PHILADELPHIA (PA 19103-3222) (US) - TRANSFER TO- ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)

20051118 EP/REG-A; FR/CD [NMC] REFERENCE TO A NATIONAL CODE FR: CHANGE OF NAME OF NOMINATION

Corresponding cc: FR

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO

Corresponding cc: AT

EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO

Corresponding cc: IE EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GB EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051222 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: SE EFFECTIVE DATE: 20051222

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051231 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: LU EFFECTIVE DATE: 20051231

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060102 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: DK EFFECTIVE DATE: 20060102

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060621 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: PT EFFECTIVE DATE: 20060621

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060701 EP/PG25-A [NEG: RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: DE EFFECTIVE DATE: 20060701

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060701 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: NL EFFECTIVE DATE: 20060701

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060731 EP/REG-A; DK/EBP [NEG; RLW] REFERENCE TO A NATIONAL CODE

DK: PATENT LAPSED Corresponding cc: DK

20060822 EP/EUG-A [NEG; RLW] SE: EUROPEAN PATENT HAS LAPSED 20060823 EP/GBPC-A [NEG; RLW]

GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE

EFFECTIVE DATE: 20051221

20060831 EP/REG-A; PT/MM4A [NEG; RLW] REFERENCE TO A NATIONAL CODE

PT: ANNULMENT/LAPSE DUE TO NON-PAYMENT OF FEES; SEARCHED & EXAMINED PATENT

Corresponding cc: PT EFFECTIVE DATE: 20060621 20060901 EP/NLV4-A [NEG; RLW]

NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE

EFFECTIVE DATE: 20060701

20061004 EP/REG-A; IE/MM4A [NEG; RLW] REFERENCE TO A NATIONAL CODE

IE: PATENT LAPSED Corresponding cc: IE

20061208 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: FR

PAYMENT DATE: 20061208; PAYMENT YEAR: 15

20061227 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DATE: 20061227; PAYMENT YEAR: 15

20061231 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IT

PAYMENT DATE: 20061231; PAYMENT YEAR: 15

20070122 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: ES

PAYMENT DATE: 20070122; PAYMENT YEAR: 15

20070222 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: BE

PAYMENT DATE: 20070222; PAYMENT YEAR: 15

20071015 EP/REG-A; CH/PFA [NMC] REFERENCE TO A NATIONAL CODE

CH: NAME/FIRM CHANGED Corresponding cc: CH OWNER: ARKEMA INC.

ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER TO- ARKEMA

INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)

20080229 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DATE: 20071213; PAYMENT YEAR: 16

20080430 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: ES

PAYMENT DATE: 20080118; PAYMENT YEAR: 16

20080430 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: FR

PAYMENT DATE: 20071210; PAYMENT YEAR: 16

20080430 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GR EFFECTIVE DATE: 19991027

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20080530 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IT

PAYMENT DATE: 20071228; PAYMENT YEAR: 16

20080530 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM, FROM NAT. OFFICE

TO EPO

Corresponding cc: GR EFFECTIVE DATE: 19991027

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20090130 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DATE: 20081230; PAYMENT YEAR: 17

20090227 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: BE

PAYMENT DATE: 20080709; PAYMENT YEAR: 16

LEG PIF Alive

UP 2009-10

PN	DE69230219 D1 19991202 [DE69230219](D1) Granted EP number in Bulletin
	DE69230219 T2 20000210 [DE69230219](T2) Trans. of EP patent
AP	DE69230219T 19921221 [1992DE-6030219]
PUB	19921221 DE-API [POS; EXM] FILING DETAILS DE69230219T 19921221 [1992DE-6030219] 19991202 DE-D1 [POS; EXM]

	Granted EP number in Bulletin DE69230219 D1 19991202 [DE69230219] 20000210 DE-T2 [POS; EXM] Trans. of EP patent DE69230219 T2 20000210 [DE69230219]
ACTE	20001116 DE/8364-A [POS; OPP] NO OPPOSITION DURING TERM OF OPPOSITION 20061012 DE/8339-A [NEG; NIF] CEASED/NON-PAYMENT OF THE ANNUAL FEE
LEG	NIF Dead
UP	2006-41



DE69233396

PN	DE69233396 D1 20040909 [DE69233396]
STG	(D1) Granted EP number in bulletin
ОТІ	(D1) Beschichtungszusammensetzung für Glas
PA	(D1) ATOFINA CHEM INC (US)
IN	(D1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(D1) C03C-017/23 C03C-017/245
PN2	DE69233396 T2 20050113 [DE69233396]
STG2	(T2) Trans. Of EP patent
OTI2	(T2) Beschichtungszusammensetzung für Glas
PA2	(T2) ATOFINA CHEM INC (US)
IN2	(T2) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(T2) C03C-017/23 C03C-017/245
AP	DE69233396T 19921221 [1992DE-6033396]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C L I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2004-37

1/2 LEGALI-©EPO

PN	EP0927706 A2 19990707 [EP-927706](A2) Application published without search report	
	EP0927706 A3 19991229 [EP-927706](A3) Search report	
	EP0927706 B1 20040804 [EP-927706](B1) Patent specification	
AP	EP99106266 19921221 [1999EP-0106266]	
PUB	19921221 EP-API [POS; EXM] FILING DETAILS EP99106266 19921221 [1999EP-0106266] 19990707 EP-A2 [POS; EXM] Application published without search report EP0927706 A2 19990707 [EP-927706] 19991229 EP-A3 [POS; EXM] Search report EP0927706 A3 19991229 [EP-927706] 20040804 EP-B1 [POS; PIF] Patent specification EP0927706 B1 20040804 [EP-927706]	
ACTE	19990707 EP/AC-A [ADM] DIVISIONAL APPLICATION (ART. 76) OF: Corresponding Pat: EP 573639 0 [EP-573639] 19990707 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19991292 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19991292 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 20000705 EP/17P-A [POS; EXM] REQUEST FOR EXAMINATION FILED EFFECTIVE DATE: 2000508 20010530 EP/RAP1-A [NMC] APPLICANT REASSIGNMENT (CORRECTION) OWNER: ATOFINA CHEMICALS, INC. 20010926 EP/17Q-A [POS; EXM] FIRST EXAMINATION REPORT EFFECTIVE DATE: 20010809 20040804 EP/AC-A [ADM] DIVISIONAL APPLICATION (ART. 76) OF: Corresponding Pat: EP 0573639 0 [EP-573639] 20040804 EP/AC-A [ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE 20040804 EP/AC-A; GB/FG40 [POS; PIF] REFERENCE TO A NATIONAL CODE GB: EUROPEAN PATENT GRANTED Corresponding c: GB 20040813 EP/REG-A; CH/EP [POS; ENP] REFERENCE TO A NATIONAL CODE CH: ENTRY IN THE NATIONAL PHASE Corresponding c: CH 20040908 EP/REG-A; CH/IVE [MC] REFERENCE TO A NATIONAL CODE CH: ENTRY IN THE NATIONAL PHASE Corresponding c: CH 20040908 EP/REG-A; LE/FG40 [POS; PIF] REFERENCE TO A NATIONAL CODE CH: NEW AGENT Corresponding c: CH 20040908 EP/REG-A; LE/FG40 [POS; PIF] REFERENCE TO A NATIONAL CODE CH: NEW AGENT Corresponding c: CH 20040908 EP/REG-A; LE/FG40 [POS; PIF] REFERENCE TO A NATIONAL CODE CH: CHOOPEAN PATENTS GRANTED DESIGNATING IRELAND Corresponding c: CH 20040909 EP/REG-A; LE/FG40 [POS; PIF] REFERENCE TO A NATIONAL CODE CH: CHURCH AND	

PAYMENT DATE: 20041126; PAYMENT YEAR: 13 20041130 EP/REG-A; PT/SC4A [POS; EXM] REFERENCE TO A NATIONAL CODE PT: TRANSLATION IS AVAILABLE

Corresponding cc: PT EFFECTIVE DATE: 20040914

AVAILABILITY OF NATIONAL TRANSLATION

20041205 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: NL

PAYMENT DATE: 20041205; PAYMENT YEAR: 13

20041206 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: SE

PAYMENT DĂTE: 20041206; PAYMENT YEAR: 13 20041206 EP/REG-A; DK/T3 [POS; EXM; ENP]

REFERENCE TO A NATIONAL CODE DK: TRANSLATION OF EP PATENT

Corresponding cc: DK

20041213 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: PT

PAYMENT DATE: 20041213; PAYMENT YEAR: 13

20041213 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: AT

PAYMENT DATE: 20041213; PAYMENT YEAR: 13

20041215 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: GB

PAYMENT DATE: 20041215; PAYMENT YEAR: 13

20041216 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: DE

PAYMENT DATE: 20041216; PAYMENT YEAR: 13

20041216 EP/REG-A; ES/FG2A [ENP] REFERENCE TO A NATIONAL CODE ES: DEFINITIVE PROTECTION

Corresponding Pat: ES 2221257 0 [ES2221257]

20041217 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: DK

PAYMENT DATE: 20041217; PAYMENT YEAR: 13

20041217 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IE

PAYMENT DATE: 20041217; PAYMENT YEAR: 13

20041228 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: LU

PAYMENT DATE: 20041228; PAYMENT YEAR: 13

20041231 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: MC EFFECTIVE DATE: 20041231

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20050315 EP/REG-A; CH/PFA [NMC] REFERENCE TO A NATIONAL CODE

CH: NAME/FIRM CHANGED Corresponding cc: CH OWNER: ARKEMA INC.

ATOFINA CHEMICALS, INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER

TO- ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)

20050520 EP/ET-A [POS; ENP] FR: TRANSLATION FILED 20050629 EP/26-A [NEG; OPP] **OPPOSITION FILED**

OPPONENT: PPG INDUSTRIES, INC.PATENTANWAELTE; EFFECTIVE DATE: 20050504

20050706 EP/R26-A [NEG; OPP] OPPOSITION FILED (CORRECTION)

OPPONENT: PPG INDUSTRIES, INC.PATENTANWAELTE; EFFECTIVE DATE: 20050504

20050901 EP/NLR1-A [NEG; OPP]

NL: OPPOSITION HAS BEEN FILED WITH THE EPO

OPPONENT: PPG INDUSTRIES, INC. 20051118 EP/REG-A; FR/CD [NMC] REFERENCE TO A NATIONAL CODE FR: CHANGE OF NAME OF NOMINATION

Corresponding cc: FR

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: IE

EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: AT

EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GB EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051222 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: SE EFFECTIVE DATE: 20051222

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051231 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: LU EFFECTIVE DATE: 20051231

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060102 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: DK EFFECTIVE DATE: 20060102

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060621 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: PT

EFFECTIVE DATE: 20060621

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060701 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: DE EFFECTIVE DATE: 20060701

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060701 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: NL EFFECTIVE DATE: 20060701

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060731 EP/REG-A; DK/EBP [NEG; RLW]

REFERENCE TO A NATIONAL CODE

DK: PATENT LAPSED Corresponding cc: DK

20060822 EP/EUG-A [NEG; RLW] SE: EUROPEAN PATENT HAS LAPSED 20060823 EP/GBPC-A [NEG; RLW]

GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE

EFFECTIVE DATE: 20051221

20060831 EP/REG-A; PT/MM4A [NEG; RLW] REFERENCE TO A NATIONAL CODE

PT: ANNULMENT/LAPSE DUE TO NON-PAYMENT OF FEES; SEARCHED & EXAMINED PATENT

Corresponding cc: PT EFFECTIVE DATE: 20060621 20060901 EP/NLV4-A [NEG; RLW]

NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE

EFFECTIVE DATE: 20060701

20061004 EP/REG-A; IE/MM4A [NEG; RLW] REFERENCE TO A NATIONAL CODE

IE: PATENT LAPSED Corresponding cc: IE

20061208 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: FR

PAYMENT DATE: 20061208; PAYMENT YEAR: 15

20061227 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DATE: 20061227; PAYMENT YEAR: 15

20061231 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IT

PAYMENT DĂTE: 20061231; PAYMENT YEAR: 15

20070122 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: ES

PAYMENT DATE: 20070122; PAYMENT YEAR: 15

20070227 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: BE

PAYMENT DATE: 20070227; PAYMENT YEAR: 15

20070502 EP/27C-A [POS; OPP]

TERMINATION OF OPPOSITION PROCEDURE

EFFECTIVE DATE: 20061118 20071015 EP/REG-A; CH/PFA [NMC] REFERENCE TO A NATIONAL CODE

CH: NAME/FIRM CHANGED Corresponding cc: CH OWNER: ARKEMA INC.

ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER TO- ARKEMA

INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)

20080229 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DATE: 20071213; PAYMENT YEAR: 16

20080430 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: ES

PAYMENT DATE: 20080118; PAYMENT YEAR: 16

20080430 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: FR

PAYMENT DATE: 20071210; PAYMENT YEAR: 16

20080430 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GR EFFECTIVE DATE: 20040804

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES 20080530 EP/PGFP-A [POS; PIF] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE Corresponding cc: IT PAYMENT DATE: 20071228; PAYMENT YEAR: 16 20080530 EP/PG25-A [NEG; RLW] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO Corresponding cc: GR EFFECTIVE DATE: 20040804 LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES 20080829 EP/PGFP-A [POS; PIF] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE Corresponding cc: BE PAYMENT DATE: 20080314; PAYMENT YEAR: 16 20090130 EP/PGFP-A [POS; PIF] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE Corresponding cc: CH PAYMENT DATE: 20081230; PAYMENT YEAR: 17 **LEG** PIF Alive UP 2009-06

2/2 LEGALI-©EPO

PN	DE69233396 D1 20040909 [DE69233396](D1) Granted EP number in Bulletin DE69233396 T2 20050113 [DE69233396](T2) Trans. of EP patent
Α Ρ	DE69233396T 19921221 [1992DE-6033396]
PUB	19921221 DE-API [POS; EXM] FILING DETAILS DE69233396T 19921221 [1992DE-6033396] 20040909 DE-D1 [POS; EXM] Granted EP number in Bulletin DE69233396 D1 20040909 [DE69233396] 20050113 DE-T2 [POS; EXM] Trans. of EP patent DE69233396 T2 20050113 [DE69233396]
ACTE	20050804 DE/8363-A [NEG; OPP] OPPOSITION AGAINST THE PATENT 20061012 DE/8339-A [NEG; NIF] CEASED/NON-PAYMENT OF THE ANNUAL FEE
LEG	NIF Dead
UP	2006-41

22 / 63 PLUSPAT - Worldwide Patents - ©Questel



DK-573639T

PN	T DK573639 T3 20000207 [DK-573639T]
STG	(T3) Translations of EP patents
OTI	(T3) Coatingsammensætning til glas
PA	(T3) ATOCHEM NORTH AMERICA ELF (US)
IN	(T3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(T3) C03C-017/245 C07F-007/22 G01G-019/02
AP	DK93901245T 19921221 [1993DK-0901245]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210873 19921221 [1992WO-US10873]

ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2000-44

23 / 63 PLUSPAT - Worldwide Patents - ©Questel



DK-927706T

TDK927706 T3 20041206 [DK-927706T]
(T3) Translations of EP patents
(T3) Belægningspræparater til glas
(T3) ATOFINA CHEM INC (US)
(T3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
(T3) C03C-017/23 C03C-017/245
DK99106266T 19921221 [1999DK-0106266]
EP93901245 19921221 [1993EP-0901245]
C03C-017/23 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP]
C03C-017/23 [2006 C - I R M EP]
Corresponding document
2004-51

24 / 63 PLUSPAT - Worldwide Patents - ©Questel



EP-573639 (A1) COATING COMPOSITION FOR GLASS.

PN	EP0573639 A1 19931215 [EP-573639]
STG	(A1) Public. Of applic. With search report
TI	(A1) COATING COMPOSITION FOR GLASS.
ОТІ	(A1) ZUSAMMENSETZUNG EINER DECKSCHICHT FÜR GLAS. (A1) COMPOSITION DE REVETEMENT POUR VERRE.
PA	(A1) ATOCHEM NORTH AMERICA ELF (US)
PA0	ELF ATOCHEM NORTH AMERICA, INC.; 2000 Market Street; Philadelphia Pennsylvania 19102-3222 (US)
IN	(A1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A1) C07F-007/22 G01G-019/02

PN2	EP0573639 A4 19950104 [EP-573639]
STG2	(A4) Publ. Of suppl. search report
TI2	(A4) COATING COMPOSITION FOR GLASS.
OTI2	(A4) ZUSAMMENSETZUNG EINER DECKSCHICHT FÜR GLAS. (A4) COMPOSITION DE REVETEMENT POUR VERRE.
PA2	(A4) ATOCHEM NORTH AMERICA ELF (US)
IN2	(A4) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(A4) C07F-007/22 G01G-019/02
PN3	EP0573639 B1 19991027 [EP-573639]
STG3	(B1) Patent
TI3	(B1) COATING COMPOSITION FOR GLASS
ОТІЗ	(B1) ZUSAMMENSETZUNG EINER DECKSCHICHT FÜR GLAS (B1) COMPOSITION DE REVETEMENT POUR VERRE
PA3	(B1) ATOCHEM NORTH AMERICA ELF (US)
IN3	(B1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC3	(B1) C03C-017/245
LA	ENGLISH (ENG)
AP	EP93901245 19921221 [1993EP-0901245]
PR	WOUS9210873 19921221 [1992WO-US10873] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A - I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DS	AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
DT	Corresponding document

1/2 LEGALI-©EPO

1/2	GALL GLIO
PN	EP0927706 A2 19990707 [EP-927706](A2) Application published without search report
	P0927706 A3 19991229 [EP-927706](A3) Search report
	EP0927706 B1 20040804 [EP-927706](B1) Patent specification
AP	EP99106266 19921221 [1999EP-0106266]
PUB	19921221 EP-API [POS; EXM] FILING DETAILS EP99106266 19921221 [1999EP-0106266]

19990707 EP-A2 [POS; EXM]

Application published without search report EP0927706 A2 19990707 [EP-927706]

19991229 EP-A3 [POS; EXM]

Search report

EP0927706 A3 19991229 [EP-927706]

20040804 EP-B1 [POS; PIF]

Patent specification

EP0927706 B1 20040804 [EP-927706]

ACTE

19990707 EP/AC-A [ADM]

DIVISIONAL APPLICATION (ART. 76) OF: Corresponding Pat: EP 573639 0 [EP-573639]

19990707 EP/AK-A [POS; ADM]

DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19991229 EP/AK-A [POS; ADM]

DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

20000705 EP/17P-A [POS; EXM] REQUEST FOR EXAMINATION FILED

EFFECTIVE DATE: 20000508 20010530 EP/RAP1-A [NMC]

APPLICANT REASSIGNMENT (CORRECTION)

OWNER: ATOFINA CHEMICALS, INC. 20010926 EP/17Q-A [POS; EXM] FIRST EXAMINATION REPORT EFFECTIVE DATE: 20010809

20040804 EP/AC-A [ADM]
DIVISIONAL APPLICATION (ART. 76) OF:
Corresponding Pat: EP 0573639 0 [EP-573639]

20040804 EP/AK-A [POS; ADM]

DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

20040804 EP/REG-A; GB/FG4D [POS; PIF] REFERENCE TO A NATIONAL CODE GB: EUROPEAN PATENT GRANTED Corresponding cc: GB 20040813 EP/REG-A; CH/EP [POS; ENP] REFERENCE TO A NATIONAL CODE

CH: ENTRY IN THE NATIONAL PHASE Corresponding cc: CH

20040831 EP/REG-A; CH/NV [NMC] REFERENCE TO A NATIONAL CODE

CH: NEW AGENT Corresponding cc: CH

REPRESENTATIVE: E. BLUM & CO. PATENTANWAELTE

20040908 EP/REG-A; IE/FG4D [POS; PIF] REFERENCE TO A NATIONAL CODE

IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND

Corresponding cc: IE 20040909 EP/REF-A [ENP] CORRESPONDS TO:

Corresponding Pat: DE 69233396 20040909 [DE69233396]

20041126 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: GR

PAYMENT DATE: 20041126; PAYMENT YEAR: 13 20041130 EP/REG-A; PT/SC4A [POS; EXM] REFERENCE TO A NATIONAL CODE PT: TRANSLATION IS AVAILABLE

Corresponding cc: PT

EFFECTIVE DATE: 20040914

AVAILABILITY OF NATIONAL TRANSLATION

20041205 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: NL

PAYMENT DATE: 20041205; PAYMENT YEAR: 13

20041206 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: SE

PAYMENT DĂTE: 20041206; PAYMENT YEAR: 13 20041206 EP/REG-A; DK/T3 [POS; EXM; ENP]

REFERENCE TO A NATIONAL CODE DK: TRANSLATION OF EP PATENT

Corresponding cc: DK

20041213 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: PT

PAYMENT DATE: 20041213; PAYMENT YEAR: 13

20041213 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: AT

PAYMENT DĂTE: 20041213; PAYMENT YEAR: 13

20041215 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: GB

PAYMENT DATE: 20041215; PAYMENT YEAR: 13

20041216 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: DE

PAYMENT DATE: 20041216; PAYMENT YEAR: 13

20041216 EP/REG-A; ES/FG2A [ENP] REFERENCE TO A NATIONAL CODE

ES: DEFINITIVE PROTECTION

Corresponding Pat: ES 2221257 0 [ES2221257]

20041217 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: DK

PAYMENT DATE: 20041217; PAYMENT YEAR: 13

20041217 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IE

PAYMENT DĂTE: 20041217; PAYMENT YEAR: 13

20041228 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: LU

PAYMENT DATE: 20041228; PAYMENT YEAR: 13

20041231 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: MC EFFECTIVE DATE: 20041231

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20050315 EP/REG-A; CH/PFA [NMC] REFERENCE TO A NATIONAL CODE

CH: NAME/FIRM CHANGED Corresponding cc: CH OWNER: ARKEMA INC.

ATOFINA CHEMICALS, INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER

TO- ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)

20050520 EP/ET-A [POS; ENP] FR: TRANSLATION FILED 20050629 EP/26-A [NEG; OPP]

OPPOSITION FILED

OPPONENT: PPG INDUSTRIES, INC.PATENTANWAELTE; EFFECTIVE DATE: 20050504

20050706 EP/R26-A [NEG; OPP] OPPOSITION FILED (CORRECTION)

OPPONENT: PPG INDUSTRIES, INC.PATENTANWAELTE; EFFECTIVE DATE: 20050504

20050901 EP/NLR1-A [NEG; OPP]

NL: OPPOSITION HAS BEEN FILED WITH THE EPO

OPPONENT: PPG INDUSTRIES, INC. 20051118 EP/REG-A; FR/CD [NMC] REFERENCE TO A NATIONAL CODE FR: CHANGE OF NAME OF NOMINATION Corresponding cc: FR

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: IE

EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: AT EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GB EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051222 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: SE EFFECTIVE DATE: 20051222

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051231 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: LU

EFFECTIVE DATE: 20051231

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060102 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: DK EFFECTIVE DATE: 20060102

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060621 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: PT EFFECTIVE DATE: 20060621

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060701 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: DE

EFFECTIVE DATE: 20060701

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060701 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: NL

EFFECTIVE DATE: 20060701

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060731 EP/REG-A; DK/EBP [NEG; RLW]

REFERENCE TO A NATIONAL CODE

DK: PATENT LAPSED Corresponding cc: DK

20060822 EP/EUG-A [NEG; RLW]

SE: EUROPEAN PATENT HAS LAPSED

20060823 EP/GBPC-A [NEG; RLW]

GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE

EFFECTIVE DATE: 20051221

20060831 EP/REG-A; PT/MM4A [NEG; RLW]

REFERENCE TO A NATIONAL CODE

PT: ANNULMENT/LAPSE DUE TO NON-PAYMENT OF FEES; SEARCHED & EXAMINED PATENT

Corresponding cc: PT EFFECTIVE DATE: 20060621 20060901 EP/NLV4-A [NEG; RLW]

NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE

EFFECTIVE DATE: 20060701

20061004 EP/REG-A; IE/MM4A [NEG; RLW] REFERENCE TO A NATIONAL CODE

IE: PATENT LAPSED Corresponding cc: IE

20061208 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: FR

PAYMENT DATE: 20061208; PAYMENT YEAR: 15

20061227 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DĂTE: 20061227; PAYMENT YEAR: 15

20061231 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IT

PAYMENT DATE: 20061231; PAYMENT YEAR: 15

20070122 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: ES

PAYMENT DATE: 20070122; PAYMENT YEAR: 15

20070227 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: BE

PAYMENT DATE: 20070227; PAYMENT YEAR: 15

20070502 EP/27C-A [POS; OPP]

TERMINATION OF OPPOSITION PROCEDURE

EFFECTIVE DATE: 20061118 20071015 EP/REG-A; CH/PFA [NMC] REFERENCE TO A NATIONAL CODE

CH: NAME/FIRM CHANGED Corresponding cc: CH OWNER: ARKEMA INC.

ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER TO- ARKEMA

INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)

20080229 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DATE: 20071213; PAYMENT YEAR: 16

20080430 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: ES

PAYMENT DATE: 20080118; PAYMENT YEAR: 16

20080430 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: FR

PAYMENT DATE: 20071210; PAYMENT YEAR: 16

20080430 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GR EFFECTIVE DATE: 20040804

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20080530 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IT

PAYMENT DĂTE: 20071228; PAYMENT YEAR: 16

20080530 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GR EFFECTIVE DATE: 20040804

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20080829 EP/PGFP-A [POS; PIF] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: BE

PAYMENT DATE: 20080314; PAYMENT YEAR: 16

20090130 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DATE: 20081230; PAYMENT YEAR: 17

LEG PIF Alive

UP 2009-06

2/2 LEGALI-©EPO

PN EP0573639 A1 19931215 [EP-573639](A1) Application published with search report

EP0573639 A4 19950104 [EP-573639](A4) Supplementary search report

EP0573639 B1 19991027 [EP-573639](B1) Patent specification

AP EP93901245 19921221 [1993EP-0901245]

PUB 19921221 EP-API [POS; EXM]

FILING DETAILS

EP93901245 19921221 [1993EP-0901245]

19931215 EP-A1 [POS; EXM]

Application published with search report EP0573639 A1 19931215 [EP-573639]

19950104 EP-A4 [POS; EXM] Supplementary search report

EP0573639 A4 19950104 [EP-573639]

19991027 EP-B1 [POS; PIF]

Patent specification

EP0573639 B1 19991027 [EP-573639]

ACTE 19931215 EP/AK-A [POS; ADM]

DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19931215 EP/17P-A [POS; EXM] REQUEST FOR EXAMINATION FILED

EFFECTIVE DATE: 19930806 19941228 EP/RHK1-A [CCL]

MAIN CLASSIFICATION (CORRECTION)

C03C-017/245

19950104 EP/AK-A [POS; ADM]

DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19950104 EP/A4-A [POS; ADM] SUPPLEMENTARY SEARCH REPORT

EFFECTIVE DATE: 19941115 19950823 EP/17Q-A [POS; EXM] FIRST EXAMINATION REPORT EFFECTIVE DATE: 19950710 19960110 EP/RAP1-A [NMC]

APPLICANT REASSIGNMENT (CORRECTION) OWNER: ELF ATOCHEM NORTH AMERICA, INC.

19960110 EP/RAP3-A [NMC]

APPLICANT CHANGE OF NAME (CORRECTION) OWNER: ELF ATOCHEM NORTH AMERICA, INC.

19980415 EP/RAP1-A [NMC]

APPLICANT REASSIGNMENT (CORRECTION)
OWNER: ELF ATOCHEM NORTH AMERICA, INC.

19991027 EP/AK-A [POS; ADM]

DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19991027 EP/REF-A [ENP] CORRESPONDS TO:

Corresponding Pat: AT 186039 19991115 [ATE186039]

19991029 EP/REG-A; CH/NV [NMC] REFERENCE TO A NATIONAL CODE

CH: NEW AGENT Corresponding cc: CH

REPRÉSENTATIVE: E. BLUM & CO. PATENTANWAELTE

19991029 EP/REG-A; CH/EP [POS; ENP] REFERENCE TO A NATIONAL CODE CH: ENTRY IN THE NATIONAL PHASE

Corresponding cc: CH

19991105 EP/ITF-A [POS; ENP]

IT: TRANSLATION FOR A EP PATENT FILED OWNER: BARZANO' E ZANARDO ROMA S.P.A.

19991202 EP/REF-A [ENP] CORRESPONDS TO:

Corresponding Pat: DE 69230219 19991202 [DE69230219]

19991203 EP/ET-A [POS; ENP] FR: TRANSLATION FILED

20000101 EP/REG-A; ES/FG2A [ENP] REFERENCE TO A NATIONAL CODE

ES: DEFINITIVE PROTECTION

Corresponding Pat: ES 2137984 0 [ES2137984] 20000126 EP/REG-A; IE/FG4D [POS; PIF] REFERENCE TO A NATIONAL CODE

IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND

Corresponding cc: IE

20000207 EP/REG-A; DK/T3 [POS; EXM; ENP]

REFERENCE TO A NATIONAL CODE DK: TRANSLATION OF EP PATENT

Corresponding cc: DK

20000229 EP/REG-A; PT/SC4A [POS; EXM] REFERENCE TO A NATIONAL CODE

PT: TRANSLATION IS AVAILABLE

Corresponding cc: PT

EFFECTIVE DATE: 19991116

AVAILABILITY OF NATIONAL TRANSLATION

20001011 EP/26N-A [POS; OPP]

NO OPPOSITION FILED

20001031 EP/REG-A; CH/PFA [NMC] REFERENCE TO A NATIONAL CODE

CH: NAME/FIRM CHANGED Corresponding cc: CH

ELF ATOCHEM NORTH AMERICA, INC. TRANSFER- ATOFINA CHEMICALS, INC.

20001229 EP/REG-A; PT/PD4A [NMC] REFERENCE TO A NATIONAL CODE PT: CHANGE OF PROPRIETORSHIP

Corresponding cc: PT
EFFECTIVE DATE: 20000908
ATOFINA CHEMICALS, INC US
20010629 EP/REG-A; FR/CD [NMC]
REFERENCE TO A NATIONAL CODE
FR: CHANGE OF NAME OF NOMINATION

Corresponding cc: FR

20010629 EP/REG-A; FR/CA [NMC] REFERENCE TO A NATIONAL CODE

FR: CHANGE OF ADDRESS

Corresponding cc: FR

20020101 EP/REG-A; GB/IF02 [POS; PIF] REFERENCE TO A NATIONAL CODE

GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01

Corresponding cc: GB

20021120 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: MC

PAYMENT DATE: 20021120; PAYMENT YEAR: 11

20031231 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: MC EFFECTIVE DATE: 20031231

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20041126 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: GR

PAYMENT DATE: 20041126; PAYMENT YEAR: 13

20041205 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: NL

PAYMENT DATE: 20041205; PAYMENT YEAR: 13

20041206 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: SE

PAYMENT DATE: 20041206; PAYMENT YEAR: 13

20041213 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: AT

PAYMENT DATE: 20041213; PAYMENT YEAR: 13

20041213 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: PT

PAYMENT DATE: 20041213; PAYMENT YEAR: 13

20041215 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: GB

PAYMENT DATE: 20041215; PAYMENT YEAR: 13

20041216 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: DE

PAYMENT DĂTE: 20041216; PAYMENT YEAR: 13

20041217 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IE

PAYMENT DATE: 20041217; PAYMENT YEAR: 13

20041217 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: DK

PAYMENT DATE: 20041217; PAYMENT YEAR: 13

20041228 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: LU

PAYMENT DATE: 20041228; PAYMENT YEAR: 13

20050315 EP/REG-A; CH/PFA [NMC] REFERENCE TO A NATIONAL CODE

CH: NAME/FIRM CHANGED Corresponding cc: CH OWNER: ARKEMA INC.

ATOFINA CHEMICALS, INC.#2000 MARKET STREET#PHILADELPHIA (PA 19103-3222) (US) - TRANSFER TO- ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)

20051118 EP/REG-A; FR/CD [NMC] REFERENCE TO A NATIONAL CODE FR: CHANGE OF NAME OF NOMINATION

Corresponding cc: FR

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: AT

EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: IE

EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GB EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051222 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: SE EFFECTIVE DATE: 20051222

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051231 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: LU EFFECTIVE DATE: 20051231

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060102 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: DK EFFECTIVE DATE: 20060102

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060621 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: PT EFFECTIVE DATE: 20060621

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060701 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: DE EFFECTIVE DATE: 20060701

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060701 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: NL EFFECTIVE DATE: 20060701

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060731 EP/REG-A; DK/EBP [NEG; RLW] REFERENCE TO A NATIONAL CODE

DK: PATENT LAPSED Corresponding cc: DK

20060822 EP/EUG-A [NEG; RLW] SE: EUROPEAN PATENT HAS LAPSED 20060823 EP/GBPC-A [NEG; RLW]

GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE

EFFECTIVE DATE: 20051221

20060831 EP/REG-A; PT/MM4A [NEG; RLW]

REFERENCE TO A NATIONAL CODE

PT: ANNULMENT/LAPSE DUE TO NON-PAYMENT OF FEES; SEARCHED & EXAMINED PATENT

Corresponding cc: PT

EFFECTIVE DATE: 20060621 20060901 EP/NLV4-A [NEG; RLW]

NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE

EFFECTIVE DATE: 20060701

20061004 EP/REG-A; IE/MM4A [NEG; RLW] REFERENCE TO A NATIONAL CODE

IE: PATENT LAPSED Corresponding cc: IE

20061208 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: FR

PAYMENT DATE: 20061208; PAYMENT YEAR: 15

20061227 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DATE: 20061227; PAYMENT YEAR: 15

20061231 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IT

PAYMENT DATE: 20061231; PAYMENT YEAR: 15

20070122 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: ES

PAYMENT DATE: 20070122; PAYMENT YEAR: 15

20070222 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: BE

PAYMENT DĂTE: 20070222; PAYMENT YEAR: 15

20071015 EP/REG-A; CH/PFA [NMC] REFERENCE TO A NATIONAL CODE

CH: NAME/FIRM CHANGED Corresponding cc: CH OWNER: ARKEMA INC.

ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER TO- ARKEMA

INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)

20080229 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DATE: 20071213; PAYMENT YEAR: 16

20080430 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: ES

PAYMENT DATE: 20080118; PAYMENT YEAR: 16

20080430 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: FR

PAYMENT DATE: 20071210; PAYMENT YEAR: 16

20080430 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GR EFFECTIVE DATE: 19991027

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20080530 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IT

PAYMENT DATE: 20071228; PAYMENT YEAR: 16

20080530 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GR EFFECTIVE DATE: 19991027

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20090130 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DATE: 20081230; PAYMENT YEAR: 17

20090227 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: BE

PAYMENT DATE: 20080709; PAYMENT YEAR: 16

LEG PIF Alive **UP** 2009-10

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EP-573640 (A1) COATED GLASS ARTICLE.

PN	EP0573640 A1 19931215 [EP-573640]
STG	(A1) Public. Of applic. With search report
TI	(A1) COATED GLASS ARTICLE.
ОТІ	(A1) BESCHICHTETER GLASARTIKEL. (A1) ARTICLE DE VERRE ENROBE.
PA	(A1) ATOCHEM NORTH AMERICA ELF (US)
PA0	ELF ATOCHEM NORTH AMERICA, INC.; 2000 Market Street; Philadelphia, Pennsylvania 19103-3222 (US)
IN	(A1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A1) B32B-017/06
PN2	EP0573640 A4 19950104 [EP-573640]
STG2	(A4) Publ. Of suppl. search report
TI2	(A4) COATED GLASS ARTICLE.
OTI2	(A4) BESCHICHTETER GLASARTIKEL. (A4) ARTICLE DE VERRE ENROBE.
PA2	(A4) ATOCHEM NORTH AMERICA ELF (US)
IN2	(A4) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(A4) B32B-017/06
LA	ENGLISH (ENG)
AP	EP93901246 19921221 [1993EP-0901246]
PR	US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C03C-017/32 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DS	AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
DT	Corresponding document

1/1 LEGALI-©EPO

PN	EP0573640 A1 19931215 [EP-573640](A1) Application published with search report	
	EP0573640 A4 19950104 [EP-573640](A4) Supplementary search report	
AP	EP93901246 19921221 [1993EP-0901246]	
PUB	19921221 EP-API [POS; EXM] FILING DETAILS EP93901246 19921221 [1993EP-0901246] 19931215 EP-A1 [POS; EXM]	

	Application published with search report EP0573640 A1 19931215 [EP-573640] 19950104 EP-A4 [POS; EXM] Supplementary search report EP0573640 A4 19950104 [EP-573640]
ACTE	19931215 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19931215 EP/17P-A [POS; EXM] REQUEST FOR EXAMINATION FILED EFFECTIVE DATE: 19930806 19941228 EP/RHK1-A [CCL] MAIN CLASSIFICATION (CORRECTION) C03C-017/245 19950104 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19950104 EP/A4-A [POS; ADM] SUPPLEMENTARY SEARCH REPORT EFFECTIVE DATE: 19941115 19950802 EP/18W-A [NEG; NIF] WITHDRAWN WITHDRAWAL DATE: 19950524
LEG	NIF Dead
UP	2003-22

26 / 63 PLUSPAT - Worldwide Patents - ©Questel



EP-582691 (A1) METHOD FOR COATING GLASS SUBSTRATES

EP-5826	91 (A1) METHOD FOR COATING GLASS SUBSTRATES.
PN	EP0582691 A1 19940216 [EP-582691]
STG	(A1) Public. Of applic. With search report
TI	(A1) METHOD FOR COATING GLASS SUBSTRATES.
ОТІ	(A1) VERFAHREN ZUR BESCHICHTUNG VON GLASSUBSTRATEN. (A1) PROCEDE DE RECOUVREMENT DE SUBSTRATS EN VERRE.
PA	(A1) ATOCHEM NORTH AMERICA ELF (US)
PA0	ELF ATOCHEM NORTH AMERICA, INC.; 2000 Market Street; Philadelphia, Pennsylvania 19103-3222 (US)
IN	(A1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A1) B05D-005/06 C23C-016/22 C23C-016/40
PN2	EP0582691 A4 19950104 [EP-582691]
STG2	(A4) Publ. Of suppl. search report
TI2	(A4) METHOD FOR COATING GLASS SUBSTRATES.
OTI2	(A4) VERFAHREN ZUR BESCHICHTUNG VON GLASSUBSTRATEN. (A4) PROCEDE DE RECOUVREMENT DE SUBSTRATS EN VERRE.
PA2	(A4) ATOCHEM NORTH AMERICA ELF (US)
IN2	(A4) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(A4) B05D-005/06 C23C-016/22 C23C-016/40
LA	ENGLISH (ENG)
AP	EP93901244 19930719 [1993EP-0901244]
PR	US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP]

	C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C L R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DS	AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
DT	Corresponding document

1/1 LEGALI-©EPO

PN	EP0582691 A1 19940216 [EP-582691](A1) Application published with search report EP0582691 A4 19950104 [EP-582691](A4) Supplementary search report	
AP	EP93901244 19930719 [1993EP-0901244]	
PUB	19930719 EP-API [POS; EXM] FILING DETAILS EP93901244 19930719 [1993EP-0901244] 19940216 EP-A1 [POS; EXM] Application published with search report EP0582691 A1 19940216 [EP-582691] 19950104 EP-A4 [POS; EXM] Supplementary search report EP0582691 A4 19950104 [EP-582691]	
ACTE	19940216 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19940216 EP/17P-A [POS; EXM] REQUEST FOR EXAMINATION FILED EFFECTIVE DATE: 19930806 19941228 EP/RHK1-A [CCL] MAIN CLASSIFICATION (CORRECTION) C03C-017/245 19950104 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19950104 EP/A4-A [POS; ADM] SUPPLEMENTARY SEARCH REPORT EFFECTIVE DATE: 19941115 19950802 EP/18W-A [NEG; NIF] WITHDRAWN WITHDRAWN	
LEG	NIF Dead	
UP	2003-22	

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EP-927706 (A2) Coating composition for glass

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	KTT9			[EP-927706]	
		EP0927706	A2		
	0.0004				

STG	(A2) Pub. Of applic. Without search report
TI	(A2) Coating composition for glass
ОТІ	(A2) Beschichtungszusammensetzung für Glas (A2) Composition de revêtement pour le verre
PA	(A2) ATOCHEM NORTH AMERICA ELF (US)
PA0	ELF ATOCHEM NORTH AMERICA, INC.; 2000 Market Street; Philadelphia, Pennsylvania 19103-3222 (US)
IN	(A2) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A2) C03C-017/23 C03C-017/245
PN2	EP0927706 A3 19991229 [EP-927706]
STG2	(A3) Publi. Of search report
TI2	(A3) Coating composition for glass
OTI2	(A3) Beschichtungszusammensetzung für Glas (A3) Composition de revêtement pour le verre
PA2	(A3) ATOCHEM NORTH AMERICA ELF (US)
IN2	(A3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(A3) C03C-017/23 C03C-017/245
PN3	EP0927706 B1 20040804 [EP-927706]
STG3	(B1) Patent
TI3	(B1) Coating composition for glass
ОТІЗ	(B1) Beschichtungszusammensetzung für Glas (B1) Composition de revêtement pour le verre
PA3	(B1) ATOFINA CHEM INC (US)
IN3	(B1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC3	(B1) C03C-017/23 C03C-017/245
LA	ENGLISH (ENG)
AP	EP99106266 19921221 [1999EP-0106266]
PR	EP93901245 19921221 [1993EP-0901245] US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP]
ICCA	C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP]
EC	C03C-017/245 C03C-017/34D2
ICO	M03C-217/152 M03C-217/230
DS	AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
DT	Basic

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• • • -		
PN	EP0927706 A2 19990707 [EP-927706](A2) Application published without search report	
	EP0927706 A3 19991229 [EP-927706](A3) Search report	
	EP0927706 B1 20040804 [EP-927706](B1) Patent specification	
AP	EP99106266 19921221 [1999EP-0106266]	
PUB	19921221 EP-API [POS; EXM] FILING DETAILS EP99106266 19921221 [1999EP-0106266] 19990707 EP-A2 [POS; EXM] Application published without search report EP0927706 A2 19990707 [EP-927706] 19991229 EP-A3 [POS; EXM]	

Search report

EP0927706 A3 19991229 [EP-927706]

20040804 EP-B1 [POS; PIF]

Patent specification

EP0927706 B1 20040804 [EP-927706]

ACTE 199

19990707 EP/AC-A [ADM]

DIVISIONAL APPLICATION (ART. 76) OF: Corresponding Pat: EP 573639 0 [EP-573639]

19990707 EP/AK-A [POS; ADM]

DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19991229 EP/AK-A [POS; ADM]

DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

20000705 EP/17P-A [POS; EXM] REQUEST FOR EXAMINATION FILED

EFFECTIVE DATE: 20000508 20010530 EP/RAP1-A [NMC]

APPLICANT REASSIGNMENT (CORRECTION)

OWNER: ATOFINA CHEMICALS, INC. 20010926 EP/17Q-A [POS; EXM] FIRST EXAMINATION REPORT EFFECTIVE DATE: 20010809 20040804 EP/AC-A [ADM]

DIVISIONAL APPLICATION (ART. 76) OF: Corresponding Pat: EP 0573639 0 [EP-573639]

20040804 EP/AK-A [POS; ADM]

DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

20040804 EP/REG-A; GB/FG4D [POS; PIF] REFERENCE TO A NATIONAL CODE

GB: EUROPEAN PATENT GRANTED

Corresponding cc: GB

20040813 EP/REG-A; CH/EP [POS; ENP] REFERENCE TO A NATIONAL CODE CH: ENTRY IN THE NATIONAL PHASE

Corresponding cc: CH

20040831 EP/REG-A; CH/NV [NMC] REFERENCE TO A NATIONAL CODE

CH: NEW AGENT Corresponding cc: CH

REPRÉSENTATIVE: E. BLUM & CO. PATENTANWAELTE

20040908 EP/REG-A; IE/FG4D [POS; PIF] REFERENCE TO A NATIONAL CODE

IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND

Corresponding cc: IE 20040909 EP/REF-A [ENP] CORRESPONDS TO:

Corresponding Pat: DE 69233396 20040909 [DE69233396]

20041126 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: GR

PAYMENT DATE: 20041126; PAYMENT YEAR: 13 20041130 EP/REG-A; PT/SC4A [POS; EXM] REFERENCE TO A NATIONAL CODE

PT: TRANSLATION IS AVAILABLE

Corresponding cc: PT EFFECTIVE DATE: 20040914

AVAILABILITY OF NATIONAL TRANSLATION

20041205 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: NL

PAYMENT DATE: 20041205; PAYMENT YEAR: 13

20041206 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: SE

PAYMENT DATE: 20041206; PAYMENT YEAR: 13

20041206 EP/REG-A; DK/T3 [POS; EXM; ENP]

REFERENCE TO A NATIONAL CODE DK: TRANSLATION OF EP PATENT

Corresponding cc: DK

20041213 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: PT

PAYMENT DATE: 20041213; PAYMENT YEAR: 13

20041213 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: AT

PAYMENT DATE: 20041213; PAYMENT YEAR: 13

20041215 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: GB

PAYMENT DATE: 20041215; PAYMENT YEAR: 13

20041216 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: DE

PAYMENT DATE: 20041216; PAYMENT YEAR: 13

20041216 EP/REG-A; ES/FG2A [ENP] REFERENCE TO A NATIONAL CODE

ES: DEFINITIVE PROTECTION

Corresponding Pat: ES 2221257 0 [ES2221257]

20041217 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: DK

PAYMENT DATE: 20041217; PAYMENT YEAR: 13

20041217 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IE

PAYMENT DATE: 20041217; PAYMENT YEAR: 13

20041228 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: LU

PAYMENT DATE: 20041228; PAYMENT YEAR: 13

20041231 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: MC EFFECTIVE DATE: 20041231

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20050315 EP/REG-A; CH/PFA [NMC] REFERENCE TO A NATIONAL CODE

CH: NAME/FIRM CHANGED Corresponding cc: CH OWNER: ARKEMA INC.

ATOFINA CHEMICALS, INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER

TO- ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)

20050520 EP/ET-A [POS; ENP] FR: TRANSLATION FILED 20050629 EP/26-A [NEG; OPP]

OPPOSITION FILED

OPPONENT: PPG INDUSTRIES, INC.PATENTANWAELTE; EFFECTIVE DATE: 20050504

20050706 EP/R26-A [NEG; OPP]

OPPOSITION FILED (CORRECTION)

OPPONENT: PPG INDUSTRIES, INC.PATENTANWAELTE; EFFECTIVE DATE: 20050504

20050901 EP/NLR1-A [NEG; OPP]

NL: OPPOSITION HAS BEEN FILED WITH THE EPO

OPPONENT: PPG INDUSTRIES, INC. 20051118 EP/REG-A; FR/CD [NMC] REFERENCE TO A NATIONAL CODE FR: CHANGE OF NAME OF NOMINATION

Corresponding cc: FR

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: IE EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: AT EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GB EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051222 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: SE EFFECTIVE DATE: 20051222

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051231 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: LU

EFFECTIVE DATE: 20051231

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060102 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: DK EFFECTIVE DATE: 20060102

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060621 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: PT

EFFECTIVE DATE: 20060621

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060701 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: DE EFFECTIVE DATE: 20060701

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060701 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: NL

EFFECTIVE DATE: 20060701

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060731 EP/REG-A; DK/EBP [NEG; RLW]

REFERENCE TO A NATIONAL CODE

DK: PATENT LAPSED

Corresponding cc: DK

20060822 EP/EUG-A [NEG; RLW]

SE: EUROPEAN PATENT HAS LAPSED

20060823 EP/GBPC-A [NEG; RLW]

GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE

EFFECTIVE DATE: 20051221

20060831 EP/REG-A; PT/MM4A [NEG; RLW]

REFERENCE TO A NATIONAL CODE

PT: ANNULMENT/LAPSE DUE TO NON-PAYMENT OF FEES; SEARCHED & EXAMINED PATENT

Corresponding cc: PT

EFFECTIVE DATE: 20060621 20060901 EP/NLV4-A [NEG; RLW]

NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE

EFFECTIVE DATE: 20060701

20061004 EP/REG-A; IE/MM4A [NEG; RLW] REFERENCE TO A NATIONAL CODE

IE: PATENT LAPSED Corresponding cc: IE

20061208 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: FR

PAYMENT DATE: 20061208; PAYMENT YEAR: 15

20061227 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DATE: 20061227; PAYMENT YEAR: 15

20061231 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IT

PAYMENT DĂTE: 20061231; PAYMENT YEAR: 15

20070122 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: ES

PAYMENT DATE: 20070122; PAYMENT YEAR: 15

20070227 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: BE

PAYMENT DATE: 20070227; PAYMENT YEAR: 15

20070502 EP/27C-A [POS; OPP]

TERMINATION OF OPPOSITION PROCEDURE

EFFECTIVE DATE: 20061118 20071015 EP/REG-A; CH/PFA [NMC] REFERENCE TO A NATIONAL CODE

CH: NAME/FIRM CHANGED Corresponding cc: CH OWNER: ARKEMA INC.

ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER TO- ARKEMA

INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)

20080229 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DATE: 20071213; PAYMENT YEAR: 16

20080430 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: ES

PAYMENT DATE: 20080118; PAYMENT YEAR: 16

20080430 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: FR

PAYMENT DATE: 20071210; PAYMENT YEAR: 16

20080430 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GR EFFECTIVE DATE: 20040804

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20080530 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IT

PAYMENT DATE: 20071228; PAYMENT YEAR: 16

20080530 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GR EFFECTIVE DATE: 20040804

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20080829 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: BE

PAYMENT DATE: 20080314; PAYMENT YEAR: 16

	20090130 EP/PGFP-A [POS; PIF] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE Corresponding cc: CH PAYMENT DATE: 20081230; PAYMENT YEAR: 17
LEG	PIF Alive
UP	2009-06

28 / 63 PLUSPAT - Worldwide Patents - ©Questel



ES2137984

ES2137	984
PN	ES2137984 T3 20000101 [ES2137984]
STG	(T3) Translation of granted European patent (former B3)
OTI	(T3) COMPOSICION DE REVESTIMIENTO PARA VIDRIO.
PA	(T3) ATOCHEM NORTH AMERICA ELF
PA0	ELF ATOCHEM NORTH AMERICA, INC.
IN	(T3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(T3) C03C-017/245
AP	ES93901245T 19921221 [1993ES-0901245]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210873 19921221 [1992WO-US10873]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2000-17

1/2 LEGALI-©EPO

PN	EP0573639 A1 19931215 [EP-573639](A1) Application published with search report
	P0573639 A4 19950104 [EP-573639](A4) Supplementary search report
	EP0573639 B1 19991027 [EP-573639](B1) Patent specification
AP	EP93901245 19921221 [1993EP-0901245]
PUB	19921221 EP-API [POS; EXM] FILING DETAILS EP93901245 19921221 [1993EP-0901245]

19931215 EP-A1 [POS; EXM]

Application published with search report EP0573639 A1 19931215 [EP-573639]

19950104 EP-A4 [POS; EXM] Supplementary search report

EP0573639 A4 19950104 [EP-573639]

19991027 EP-B1 [POS; PIF]

Patent specification

EP0573639 B1 19991027 [EP-573639]

ACTE

19931215 EP/AK-A [POS; ADM]

DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19931215 EP/17P-A [POS; EXM] REQUEST FOR EXAMINATION FILED

EFFECTIVE DATE: 19930806 19941228 EP/RHK1-A [CCL]

MAIN CLASSIFICATION (CORRECTION)

C03C-017/245

19950104 EP/AK-A [POS; ADM]

DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19950104 EP/A4-A [POS; ADM] SUPPLEMENTARY SEARCH REPORT

EFFECTIVE DATE: 19941115 19950823 EP/17Q-A [POS; EXM] FIRST EXAMINATION REPORT EFFECTIVE DATE: 19950710 19960110 EP/RAP1-A [NMC]

APPLICANT REASSIGNMENT (CORRECTION)
OWNER: ELF ATOCHEM NORTH AMERICA, INC.

19960110 EP/RAP3-A [NMC]

APPLICANT CHANGE OF NAME (CORRECTION) OWNER: ELF ATOCHEM NORTH AMERICA, INC.

19980415 EP/RAP1-A [NMC]

APPLICANT REASSIGNMENT (CORRECTION)
OWNER: ELF ATOCHEM NORTH AMERICA, INC.

19991027 EP/AK-A [POS; ADM]

DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19991027 EP/REF-A [ENP] CORRESPONDS TO:

Corresponding Pat: AT 186039 19991115 [ATE186039]

19991029 EP/REG-A; CH/NV [NMC] REFERENCE TO A NATIONAL CODE

CH: NEW AGENT Corresponding cc: CH

REPRÉSENTATIVE: E. BLUM & CO. PATENTANWAELTE

19991029 EP/REG-A; CH/EP [POS; ENP] REFERENCE TO A NATIONAL CODE CH: ENTRY IN THE NATIONAL PHASE

Corresponding cc: CH

19991105 EP/ITF-A [POS; ENP]

IT: TRANSLATION FOR A EP PATENT FILED OWNER: BARZANO' E ZANARDO ROMA S.P.A.

19991202 EP/REF-A [ENP] CORRESPONDS TO:

Corresponding Pat: DE 69230219 19991202 [DE69230219]

19991203 EP/ET-A [POS; ENP] FR: TRANSLATION FILED

20000101 EP/REG-A; ES/FG2A [ENP] REFERENCE TO A NATIONAL CODE

ES: DEFINITIVE PROTECTION

Corresponding Pat: ES 2137984 0 [ES2137984] 20000126 EP/REG-A; IE/FG4D [POS; PIF]

REFERENCE TO A NATIONAL CODE

IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND

Corresponding cc: IE

20000207 EP/REG-A; DK/T3 [POS; EXM; ENP]

REFERENCE TO A NATIONAL CODE DK: TRANSLATION OF EP PATENT

Corresponding cc: DK

20000229 EPREG-A; PT/SC4A [POS; EXM] REFERENCE TO A NATIONAL CODE PT: TRANSLATION IS AVAILABLE

Corresponding cc: PT

EFFECTIVE DATE: 19991116

AVAILABILITY OF NATIONAL TRANSLATION

20001011 EP/26N-A [POS; OPP]

NO OPPOSITION FILED

20001031 EP/REG-A; CH/PFA [NMC] REFERENCE TO A NATIONAL CODE

CH: NAME/FIRM CHANGED Corresponding cc: CH

ELF ATOCHEM NORTH AMERICA, INC. TRANSFER- ATOFINA CHEMICALS, INC.

20001229 EP/REG-A; PT/PD4A [NMC] REFERENCE TO A NATIONAL CODE PT: CHANGE OF PROPRIETORSHIP

Corresponding cc: PT
EFFECTIVE DATE: 20000908
ATOFINA CHEMICALS, INC US
20010629 EP/REG-A; FR/CD [NMC]
REFERENCE TO A NATIONAL CODE
FR: CHANGE OF NAME OF NOMINATION

Corresponding cc: FR 20010629 EP/REG-A; FR/CA [NMC] REFERENCE TO A NATIONAL CODE

FR: CHANGE OF ADDRESS

Corresponding cc: FR 20020101 EP/REG-A; GB/IF02 [POS; PIF] REFERENCE TO A NATIONAL CODE

GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01

Corresponding cc: GB

20021120 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEÉS PAID TO NATIONAL OFFICE

Corresponding cc: MC

PAYMENT DATE: 20021120; PAYMENT YEAR: 11

20031231 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: MC EFFECTIVE DATE: 20031231

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20041126 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: GR

PAYMENT DATE: 20041126; PAYMENT YEAR: 13

20041205 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: NL

PAYMENT DATE: 20041205; PAYMENT YEAR: 13

20041206 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: SE

PAYMENT DATE: 20041206; PAYMENT YEAR: 13

20041213 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: AT

PAYMENT DATE: 20041213; PAYMENT YEAR: 13

20041213 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: PT

PAYMENT DATE: 20041213; PAYMENT YEAR: 13

20041215 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: GB

PAYMENT DATE: 20041215; PAYMENT YEAR: 13

20041216 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: DE

PAYMENT DATE: 20041216; PAYMENT YEAR: 13

20041217 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IE

PAYMENT DATE: 20041217; PAYMENT YEAR: 13

20041217 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: DK

PAYMENT DATE: 20041217; PAYMENT YEAR: 13

20041228 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: LU

PAYMENT DATE: 20041228; PAYMENT YEAR: 13

20050315 EP/REG-A; CH/PFA [NMC] REFERENCE TO A NATIONAL CODE

CH: NAME/FIRM CHANGED Corresponding cc: CH OWNER: ARKEMA INC.

ATOFINA CHEMICALS, INC.#2000 MARKET STREET#PHILADELPHIA (PA 19103-3222) (US) - TRANSFER TO- ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)

20051118 EP/REG-A; FR/CD [NMC] REFERENCE TO A NATIONAL CODE FR: CHANGE OF NAME OF NOMINATION

Corresponding cc: FR

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO

Corresponding cc: AT EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO

Corresponding cc: IE EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO

Corresponding cc: GB EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051222 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO

Corresponding cc: SE EFFECTIVE DATE: 20051222

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051231 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO

Corresponding cc: LU EFFECTIVE DATE: 20051231

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060102 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: DK EFFECTIVE DATE: 20060102

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060621 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: PT

EFFECTIVE DATE: 20060621

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060701 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: DE EFFECTIVE DATE: 20060701

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060701 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: NL EFFECTIVE DATE: 20060701

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060731 EP/REG-A; DK/EBP [NEG; RLW] REFERENCE TO A NATIONAL CODE

DK: PATENT LAPSED Corresponding cc: DK

20060822 EP/EUG-A [NEG; RLW] SE: EUROPEAN PATENT HAS LAPSED 20060823 EP/GBPC-A [NEG: RLW]

GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE

EFFECTIVE DATE: 20051221

20060831 EP/REG-A; PT/MM4A [NEG; RLW]

REFERENCE TO A NATIONAL CODE

PT: ANNULMENT/LAPSE DUE TO NON-PAYMENT OF FEES; SEARCHED & EXAMINED PATENT

Corresponding cc: PT EFFECTIVE DATE: 20060621 20060901 EP/NLV4-A [NEG; RLW]

NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE

EFFECTIVE DATE: 20060701

20061004 EP/REG-A; IE/MM4A [NEG; RLW] REFERENCE TO A NATIONAL CODE

IE: PATENT LAPSED Corresponding cc: IE

20061208 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: FR

PAYMENT DATE: 20061208; PAYMENT YEAR: 15

20061227 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DATE: 20061227; PAYMENT YEAR: 15

20061231 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IT

PAYMENT DATE: 20061231; PAYMENT YEAR: 15

20070122 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: ES

PAYMENT DATE: 20070122; PAYMENT YEAR: 15

20070222 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: BE

PAYMENT DATE: 20070222; PAYMENT YEAR: 15

20071015 EP/REG-A; CH/PFA [NMC] REFERENCE TO A NATIONAL CODE

CH: NAME/FIRM CHANGED Corresponding cc: CH OWNER: ARKEMA INC.

ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER TO- ARKEMA

INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)

20080229 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DATE: 20071213; PAYMENT YEAR: 16

20080430 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: ES

PAYMENT DATE: 20080118; PAYMENT YEAR: 16

20080430 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: FR

PAYMENT DATE: 20071210; PAYMENT YEAR: 16

20080430 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GR EFFECTIVE DATE: 19991027

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20080530 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IT

PAYMENT DATE: 20071228; PAYMENT YEAR: 16

20080530 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GR EFFECTIVE DATE: 19991027

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20090130 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DATE: 20081230; PAYMENT YEAR: 17

20090227 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: BE

PAYMENT DATE: 20080709; PAYMENT YEAR: 16

LEG PIF Alive

UP 2009-10

2/2 LEGALI-©EPO

PN	ES2137984 T3 20000101 [ES2137984](T3) Translation of granted European patent (former B3)
AP	ES93901245T 19921221 [1993ES-0901245]
PUB	19921221 ES-API [POS; EXM] FILING DETAILS ES93901245T 19921221 [1993ES-0901245] 20000101 ES-T3 [POS; EXM] Translation of granted European patent (former B3) ES2137984 T3 20000101 [ES2137984]
ACTE	20000101 ES/FG2A-T [ENP] DEFINITIVE PROTECTION Corresponding Doc: ES 573639
LEG	ENP Alive
UP	2003-22

29 / 63 PLUSPAT - Worldwide Patents - ©Questel



Art College Art 1 a	ew. A	
PN	S2221257 T3 20041216 [ES2221257]	
STG	(T3) Translation of granted European patent (former B3)	
OTI	(T3) COMPOSICION DE REVESTIMIENTO PARA VIDRIO.	
:		

PA	(T3) ATOFINA CHEM INC
PA0	ATOFINA CHEMICALS, INC.
IN	(T3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(T3) C03C-017/23 C03C-017/245
LA	SPANISH (SPA)
AP	ES99106266T 19921221 [1999ES-0106266]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C03C-017/30 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2005-04

1/1 LEGALI-©EPO

EP0927706 A2 19990707 [EP-927706](A2) Application published without search report EP0927706 A3 19991229 [EP-927706](A3) Search report EP0927706 B1 20040804 [EP-927706](B1) Patent specification
EP99106266 19921221 [1999EP-0106266]
19921221 EP-API [POS; EXM] FILING DETAILS EP99106266 19921221 [1999EP-0106266] 19990707 EP-A2 [POS; EXM] Application published without search report EP0927706 A2 19990707 [EP-927706] 19991229 EP-A3 [POS; EXM] Search report EP0927706 A3 19991229 [EP-927706] 20040804 EP-B1 [POS; PIF] Patent specification EP0927706 B1 20040804 [EP-927706]
19990707 EP/AC-A [ADM] DIVISIONAL APPLICATION (ART. 76) OF: Corresponding Pat: EP 573639 0 [EP-573639] 19990707 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19991229 EP/AK-A [POS; ADM] DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

20000705 EP/17P-A [POS; EXM]

REQUEST FOR EXAMINATION FILED

EFFECTIVE DATE: 20000508 20010530 EP/RAP1-A [NMC]

APPLICANT REASSIGNMENT (CORRECTION)

OWNER: ATOFINA CHEMICALS, INC. 20010926 EP/17Q-A [POS; EXM] FIRST EXAMINATION REPORT EFFECTIVE DATE: 20010809

20040804 EP/AC-A [ADM]

DIVISIONAL APPLICATION (ART. 76) OF: Corresponding Pat: EP 0573639 0 [EP-573639]

20040804 EP/AK-A [POS; ADM]

DESIGNATED CONTRACTING STATES:

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

20040804 EP/REG-A; GB/FG4D [POS; PIF] REFERENCE TO A NATIONAL CODE GB: EUROPEAN PATENT GRANTED

Corresponding cc: GB

20040813 EP/REG-A; CH/EP [POS; ENP] REFERENCE TO A NATIONAL CODE CH: ENTRY IN THE NATIONAL PHASE

Corresponding cc: CH 20040831 EP/REG-A; CH/NV [NMC] REFERENCE TO A NATIONAL CODE

CH: NEW AGENT
Corresponding cc: CH

REPRÉSENTATIVE: E. BLUM & CO. PATENTANWAELTE

20040908 EP/REG-A; IE/FG4D [POS; PIF] REFERENCE TO A NATIONAL CODE

IE: EUROPEAN PATENTS GRANTED DESIGNATING IRELAND

Corresponding cc: IE 20040909 EP/REF-A [ENP] CORRESPONDS TO:

Corresponding Pat: DE 69233396 20040909 [DE69233396]

20041126 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: GR

PAYMENT DATE: 20041126; PAYMENT YEAR: 13 20041130 EP/REG-A; PT/SC4A [POS; EXM] REFERENCE TO A NATIONAL CODE

PT: TRANSLATION IS AVAILABLE Corresponding cc: PT

EFFECTIVE DATE: 20040914 AVAILABILITY OF NATIONAL TRANSLATION

20041205 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: NL

PAYMENT DATE: 20041205; PAYMENT YEAR: 13

20041206 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: SE

PAYMENT DATE: 20041206; PAYMENT YEAR: 13 20041206 EP/REG-A; DK/T3 [POS; EXM; ENP]

REFERENCE TO A NATIONAL CODE DK: TRANSLATION OF EP PATENT Corresponding cc: DK

20041213 EPPGFP-A [POS; PIF] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: PT

PAYMENT DATE: 20041213; PAYMENT YEAR: 13

20041213 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: AT

PAYMENT DATE: 20041213; PAYMENT YEAR: 13

20041215 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: GB

PAYMENT DATE: 20041215; PAYMENT YEAR: 13

20041216 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: DE

PAYMENT DATE: 20041216; PAYMENT YEAR: 13

20041216 EP/REG-A; ES/FG2A [ENP] REFERENCE TO A NATIONAL CODE ES: DEFINITIVE PROTECTION

Corresponding Pat: ES 2221257 0 [ES2221257]

20041217 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: DK

PAYMENT DATE: 20041217; PAYMENT YEAR: 13

20041217 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IE

PAYMENT DATE: 20041217; PAYMENT YEAR: 13

20041228 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: LU

PAYMENT DATE: 20041228; PAYMENT YEAR: 13

20041231 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: MC EFFECTIVE DATE: 20041231

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20050315 EP/REG-A; CH/PFA [NMC] REFERENCE TO A NATIONAL CODE

CH: NAME/FIRM CHANGED Corresponding cc: CH OWNER: ARKEMA INC.

ATOFINA CHEMICALS, INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER

TO- ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)

20050520 EP/ET-A [POS; ENP] FR: TRANSLATION FILED 20050629 EP/26-A [NEG; OPP]

OPPOSITION FILED

OPPONENT: PPG INDUSTRIES, INC.PATENTANWAELTE; EFFECTIVE DATE: 20050504

20050706 EP/R26-A [NEG; OPP]
OPPOSITION FILED (CORRECTION)

OPPONENT: PPG INDUSTRIES, INC.PATENTANWAELTE; EFFECTIVE DATE: 20050504

20050901 EP/NLR1-A [NEG; OPP]

NL: OPPOSITION HAS BEEN FILED WITH THE EPO

OPPONENT: PPG INDUSTRIES, INC. 20051118 EP/REG-A; FR/CD [NMC] REFERENCE TO A NATIONAL CODE FR: CHANGE OF NAME OF NOMINATION

Corresponding cc: FR

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: IE EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: AT EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051221 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GB

EFFECTIVE DATE: 20051221

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051222 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: SE EFFECTIVE DATE: 20051222

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20051231 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: LU EFFECTIVE DATE: 20051231

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060102 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: DK EFFECTIVE DATE: 20060102

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060621 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: PT

EFFECTIVE DATE: 20060621

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060701 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: DE EFFECTIVE DATE: 20060701

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060701 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: NL EFFECTIVE DATE: 20060701

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20060731 EP/REG-A; DK/EBP [NEG; RLW] REFERENCE TO A NATIONAL CODE

DK: PATENT LAPSED Corresponding cc: DK

20060822 EP/EUG-A [NEG; RLW] SE: EUROPEAN PATENT HAS LAPSED 20060823 EP/GBPC-A [NEG; RLW]

GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE

EFFECTIVE DATE: 20051221

20060831 EP/REG-A; PT/MM4A [NEG; RLW]

REFERENCE TO A NATIONAL CODE

PT: ANNULMENT/LAPSE DUE TO NON-PAYMENT OF FEES; SEARCHED & EXAMINED PATENT

Corresponding cc: PT EFFECTIVE DATE: 20060621 20060901 EP/NLV4-A [NEG; RLW]

NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE

EFFECTIVE DATE: 20060701

20061004 EP/REG-A; IE/MM4A [NEG; RLW]

REFERENCE TO A NATIONAL CODE

IE: PATENT LAPSED Corresponding cc: IE

20061208 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: FR

PAYMENT DATE: 20061208; PAYMENT YEAR: 15

20061227 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DATE: 20061227; PAYMENT YEAR: 15

20061231 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IT

PAYMENT DATE: 20061231; PAYMENT YEAR: 15

20070122 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: ES

PAYMENT DATE: 20070122; PAYMENT YEAR: 15

20070227 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: BE

PAYMENT DATE: 20070227; PAYMENT YEAR: 15

20070502 EP/27C-A [POS; OPP]

TERMINATION OF OPPOSITION PROCEDURE

EFFECTIVE DATE: 20061118 20071015 EP/REG-A; CH/PFA [NMC] REFERENCE TO A NATIONAL CODE

CH: NAME/FIRM CHANGED Corresponding cc: CH OWNER: ARKEMA INC.

ARKEMA INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US) -TRANSFER TO- ARKEMA

INC.#2000 MARKET STREET#PHILADELPHIA, PA 19103-3222 (US)

20080229 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DATE: 20071213; PAYMENT YEAR: 16

20080430 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: ES

PAYMENT DATE: 20080118; PAYMENT YEAR: 16

20080430 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: FR

PAYMENT DATE: 20071210; PAYMENT YEAR: 16

20080430 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GR EFFECTIVE DATE: 20040804

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20080530 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: IT

PAYMENT DATE: 20071228; PAYMENT YEAR: 16

20080530 EP/PG25-A [NEG; RLW]

LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE

TO EPO

Corresponding cc: GR EFFECTIVE DATE: 20040804

LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES

20080829 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: BE

PAYMENT DATE: 20080314; PAYMENT YEAR: 16

20090130 EP/PGFP-A [POS; PIF]

POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

Corresponding cc: CH

PAYMENT DATE: 20081230; PAYMENT YEAR: 17

LEG PIF Alive UP 2009-06

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GR3031624 (T3) COATING COMPOSITION FOR GLASS.

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PN	T GR3031624 T3 20000131 [GR3031624]
STG	(T3) Transl. Of EP patent
TI	(T3) COATING COMPOSITION FOR GLASS.
PA	(T3) ATOCHEM NORTH AMERICA ELF (US)
IN	(T3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(T3) C07F-007/22 G01G-019/02
AP	GR99402439T 19991029 [1999GR-0402439]
PR	US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366] WOUS9210873 19921221 [1992WO-US10873]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2000-10

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HU9302411 (D0) METHOD FOR COATING END-SUBSTRATUM

PN	HU9302411 D0 19940328 [HU9302411]
STG	(D0) Filing application
TI	(D0) METHOD FOR COATING END-SUBSTRATUM
PA	(D0) ATOCHEM NORTH AMERICA ELF (US)
IN	(D0) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A2) B05D-005/06 C23C-016/22 C23C-016/40
PN2	TI HU67686 A2 19950428 [HUT067686]
STG2	(A2) Examined patent application
TI2	(A2) METHOD FOR COATING GLASS SUBSTRATES
PA2	(A2) ATOCHEM NORTH AMERICA ELF (US)
IN2	(A2) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(A2) B05D-005/06 C23C-016/22 C23C-016/40
AP	HU9302411 19921221 [1993HU-0002411]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F I R M JP]

	B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

PN	HU9302411 D0 19940328 [HU9302411](D0) Filing application HU67686 A2 19950428 [HUT067686](A2) Examined patent application
AP	HU9302411 19921221 [1993HU-0002411]
PUB	19921221 HU-API [POS; EXM] FILING DETAILS HU9302411 19921221 [1993HU-0002411] 19940328 HU-D0 [POS; EXM] Filing application HU9302411 D0 19940328 [HU9302411] 19950428 HU-A2 [POS; EXM] Examined patent application HU67686 A2 19950428 [HUT067686]
ACTE	19960828 HU/DFC4-A [NIF] CANCELLATION OF TEMPORARY PROT. DUE TO REFUSAL
LEG	NIF Dead
UP	2003-22

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HU9302412 (D0) COATING COMPOSITIONS FOR GLASS

00) Filing application 00) COATING COMPOSITIONS FOR GLASS 00) ATOCHEM NORTH AMERICA ELF (US) 00) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US) 02) C07F-007/22 G01G-019/02
00) ATOCHEM NORTH AMERICA ELF (US) 00) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
00) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
N2) C07E 007/22 G01G 019/02
A2) 6071 -007/22 G01G-019/02
HU67335 A2 19950328 [HUT067335]
N2) Examined patent application
A2) COATING COMPOSITION FOR GLASS
A2) ATOCHEM NORTH AMERICA ELF (US)
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IN2	(A2) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(A2) C07F-007/22 G01G-019/02
PN3	MU214047 B 19971229 [HU-214047]
STG3	(B) Patent with search report
TI3	(B) COATING COMPOSITION FOR GLASS
PA3	(B) ATOCHEM NORTH AMERICA ELF (US)
IN3	(B) DIRKX RYAN R (US); FLORCZAK GLENN P (US); RUSSO DAVID A (US)
IC3	(B) C07F-007/22 G01G-019/02
AP	HU9302412 19921221 [1993HU-0002412]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

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PN	HU9302412 D0 19931228 [HU9302412](D0) Filing application HU67335 A2 19950328 [HUT067335](A2) Examined patent application HU214047 B 19971229 [HU-214047](B) Patent with search report
AP	HU9302412 19921221 [1993HU-0002412]
PUB	19921221 HU-API [POS; EXM] FILING DETAILS HU9302412 19921221 [1993HU-0002412] 19931228 HU-D0 [POS; EXM] Filing application HU9302412 D0 19931228 [HU9302412] 19950328 HU-A2 [POS; EXM] Examined patent application HU67335 A2 19950328 [HUT067335] 19971229 HU-B [POS; PIF] Patent with search report HU214047 B 19971229 [HU-214047]
ACTE	20070928 HU/MM4A-A [NEG; NIF] LAPSE OF DEFINITIVE PATENT PROTECTION DUE TO NON-PAYMENT OF FEES
LEG	NIF Dead
UP	2007-46



HU9302413 (D0) COATED GLASS ARTICLE

HU9302	413 (D0) COATED GLASS ARTICLE
PN	HU9302413 D0 19940328 [HU9302413]
STG	(D0) Filing application
TI	(D0) COATED GLASS ARTICLE
PA	(D0) ATOCHEM NORTH AMERICA ELF (US)
IN	(D0) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A2) B32B-017/06
PN2	MU67158 A2 19950228 [HUT067158]
STG2	(A2) Examined patent application
TI2	(A2) COATED GLASS ARTICLE
PA2	(A2) ATOCHEM NORTH AMERICA ELF (US)
IN2	(A2) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(A2) B32B-017/06
AP	HU9302413 19921221 [1993HU-0002413]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

PN	HU9302413 D0 19940328 [HU9302413](D0) Filing application
	HU67158 A2 19950228 [HUT067158](A2) Examined patent application
AP	HU9302413 19921221 [1993HU-0002413]
PUB	19921221 HU-API [POS; EXM] FILING DETAILS HU9302413 19921221 [1993HU-0002413] 19940328 HU-D0 [POS; EXM] Filing application HU9302413 D0 19940328 [HU9302413] 19950228 HU-A2 [POS; EXM] Examined patent application

	HU67158 A2 19950228 [HUT067158]	:
ACTE	19960628 HU/DFC4-A [NIF] CANCELLATION OF TEMPORARY PROT. DUE TO REFUSAL	
LEG	NIF Dead	
UP	2003-22	

JP06505957

JP0650	2401
PN	📆 JP6505957 T 19940707 [JP06505957]
STG	(T) Unexam. Pat. Appl. On foreign appl.
IC	(T) C03C-017/245 C03C-017/34 C23C-016/22 C23C-016/40
PN2	T JP3485918 B2 20040113 [JP3485918]
STG2	(B2) Grant. Pat. With A from 2500000 on
IC2	(B2) C03C-017/245 C03C-017/34 C23C-016/22 C23C-016/40
AP	JP51173493T 19921221 [1993JP-0511734]
PR	WOUS9210872 19921221 [1992WO-US10872] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
34,4,400,000,000,000,000,000	

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JP06505695

JP00D0:	2042
PN	📆 JP6505695 T 19940630 [JP06505695]
STG	(T) Unexam. Pat. Appl. On foreign appl.
IC	(T) C03C-017/245 C07F-007/22
AP	JP51173592T 19921221 [1992JP-0511735]
PR	WOUS9210873 19921221 [1992WO-US10873] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F I R M JP]

	B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document



JP3485919

373400t	, r.v.
PN	T JP3485919 B2 20040113 [JP3485919]
STG	(B2) Grant. Pat. With A from 2500000 on
IC	(B2) C03C-017/245 C03C-017/34 C07F-007/22 C23C-016/22 C23C-016/40
AP	JP51173593T 19921221 [1993JP-0511735]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210873 19921221 [1992WO-US10873]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A - R M EP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2004-06

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JP06505696

PN	T 19940630 [JP06505696]
STG	(T) Unexam. Pat. Appl. On foreign appl.
IC	(T) B32B-009/00 B32B-017/00 C03C-017/245 C03C-017/34
AP	JP51173692T 19921221 [1992JP-0511736]
PR	WOUS9210874 19921221 [1992WO-US10874] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C03C-017/32 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

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JP3485920

JP3485	920	
PN	T JP3485920 B2 20040113 [JP3485920]	
STG	(B2) Grant. Pat. With A from 2500000 on	
IC	(B2) B32B-009/00 B32B-017/00 C03C-017/245 C03C-017/34 C23C-016/22 C23C-016/40	
AP	JP51173693T 19921221 [1993JP-0511736]	
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210874 19921221 [1992WO-US10874]	
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]	
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C03C-017/30 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP]	

	C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2004-06



KR1002	38740 (B1) METHOD FOR COATING GLASS SUBSTRATES
PN	T KR100238740 B1 20000115 [KR100238740]
STG	(B1) Patent specification
TI	(B1) METHOD FOR COATING GLASS SUBSTRATES
PA	(B1) ATOCHEM NORTH AMERICA ELF (US)
PA0	ELF ATOCHEM NORTH AMERICA INC. (US)
IN	(B1) RUSSO DAVID A (US); DIRX RYAN R (US); FLORCZAK GLENN P (US)
IC	(B1) C03C-017/245
AP	KR937002538 19930825 [1993KR-7002538]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210872 19921221 [1992WO-US10872]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2009-03

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KR100238920 (B1) COATING COMPOSITION FOR GLASS

PN	T KR100238920 B1 20000115 [KR100238920]
STG	(B1) Patent specification
TI	(B1) COATING COMPOSITION FOR GLASS

PA	(B1) ATOCHEM NORTH AMERICA ELF (US)
PA0	ELF ATOCHEM NORTH AMERICA INC. (US)
IN	(B1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(B1) B32B-017/06 G07F-007/22
AP	KR937002539 19930825 [1993KR-7002539]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210873 19921221 [1992WO-US10873]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C L R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2009-03



KR1002	43801 (B1) COATED GLASS ARTICLE
PN	KR100243801 B1 20000302 [KR100243801]
STG	(B1) Patent specification
TI	(B1) COATED GLASS ARTICLE
PA	(B1) ATOCHEM NORTH AMERICA ELF (US)
PA0	ELF ATOCHEM NORTH AMERICA INC. (US)
IN	(B1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(B1) B32B-017/06
Α P	KR937002540 19930825 [1993KR-7002540]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210874 19921221 [1992WO-US10874]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP]

	B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2009-03



MX9207591

MX8501	38 E
PN	MX9207591 A1 19940630 [MX9207591]
STG	(A1) Publ. Patent application
OTI	(A1) ARTICULO REVESTIDO.
PA	(A1) ATOCHEM NORTH AMERICA ELF (US)
IN	(A1) RUSSO DAVID A (US); DIRKX RYAN R; FLORCZAK GLENN P
IC	(A1) C03C-017/245
AP	MX9207591 19921228 [1992MX-0007591]
PR	WOUS9210874 19921221 [1992WO-US10874] US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A - I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

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MX9207592

PN MX9207592 A1 19940630 [MX9207592]

STG	(A1) Publ. Patent application
OTI	(A1) COMPOSICION DE REVESTIMIENTO PARA VIDRIO.
PA	(A1) ATOCHEM NORTH AMERICA ELF (US)
IN	(A1) RUSSO DAVID A (US); DIRKX RYAN R; FLORCZAK GLENN P
IC	(A1) C03C-015/00
AP	MX9207592 19921228 [1992MX-0007592]
PR	WOUS9210873 19921221 [1992WO-US10873] US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document



പ്രമാദാദാദ

029
NO933029 D0 19930825 [NO9303029]
(D0) Application filed
(D0) FREMGANGSMAATE VED BELEGGING AV ET GLASS SUBSTRAT
(D0) ATOCHEM NORTH AMERICA ELF (US)
(D0) RUSSO DAVID A; FLORCZAK GLENN P; DIRKX RYAN R
(D0) C03C
NO933029 A 19931022 [NO9303029]
(A) Unex. Applic. Open to public inspec
(A) FREMGANGSMAATE VED BELEGGING AV ET GLASS SUBSTRAT
(A) ATOCHEM NORTH AMERICA ELF (US)
(A) RUSSO DAVID A; FLORCZAK GLENN P; DIRKX RYAN R
(A) C03C
NO316641 B1 20040322 [NO-316641]
(B1) Granted patents
(B1) Fremgangsmate ved belegging av et glass-substrat
(B1) ARKEMA INC (US)
(B1) RUSSO DAVID A (US); FLORCZAK GLENN P (US); DIRKX RYAN RICHARD (US)
(B1) C03C-017/245

AP	NO933029 19930825 [1993NO-0003029]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210872 19921221 [1992WO-US10872]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C03C-017/32 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document



NO9303030

NO9303	030
PN	NO933030 D0 19930825 [NO9303030]
STG	(D0) Application filed
OTI	(D0) BELEGNINGSBLANDING FOR GLASS
PA	(D0) ATOCHEM NORTH AMERICA ELF (US)
IN	(D0) RUSSO DAVID A; FLORCZAK GLENN P; DIRKX RYAN R
IC	(D0) C03C
PN2	MO933030 A 19931022 [NO9303030]
STG2	(A) Unex. Applic. Open to public inspec
OTI2	(A) BELEGNINGSBLANDING FOR GLASS
PA2	(A) ATOCHEM NORTH AMERICA ELF (US)
IN2	(A) RUSSO DAVID A; FLORCZAK GLENN P; DIRKX RYAN R
IC2	(A) C03C
PN3	MO316642 B1 20040322 [NO-316642]
STG3	(B1) Granted patents
ОТІЗ	(B1) Belegningsblanding for glass og anvendelse derav
PA3	(B1) ARKEMA INC (US)
IN3	(B1) RUSSO DAVID A (US); FLORCZAK GLENN P (US); DIRKX RYAN RICHARD (US)
IC3	(B1) C03C-017/245
Α P	NO933030 19930825 [1993NO-0003030]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210873 19921221 [1992WO-US10873]
ICAA	B32B-009/00 [2006-01 A F I R M JP]

	B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
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EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document



NO9303031

NO9303	US 3
PN	NO933031 D0 19930825 [NO9303031]
STG	(D0) Application filed
ОТІ	(D0) BELAGT GLASSARTIKKEL
PA	(D0) ATOCHEM NORTH AMERICA ELF (US)
IN	(D0) RUSSO DAVID A; FLORCZAK GLENN P; DIRKX RYAN R
IC	(D0) C03C
PN2	NO933031 A 19931022 [NO9303031]
STG2	(A) Unex. Applic. Open to public inspec
OTI2	(A) FREMGANGSMAATE VED BELEGGING AV ET GLASSUBSTRAT
PA2	(A) ATOCHEM NORTH AMERICA ELF (US)
IN2	(A) RUSSO DAVID A; FLORCZAK GLENN P; DIRKX RYAN R
IC2	(A) C03C
PN3	NO316683 B1 20040326 [NO-316683]
STG3	(B1) Granted patents
OTI3	(B1) Belagt glassartikkel
PA3	(B1) ARKEMA INC (US)
IN3	(B1) RUSSO DAVID A (US); FLORCZAK GLENN P (US); DIRKX RYAN RICHARD (US)
IC3	(B1) C03C-017/245
AP	NO933031 19930825 [1993NO-0003031]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210874 19921221 [1992WO-US10874]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP]

	C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

NZ-246459 (A) GASFOUS TIN- AND SILICON- CONTAINING COMPOSITIONS FOR DEPOSITING OXIDES O...

NZ-2464	159 (A) GASEOUS TIN- AND SILICON- CONTAINING COMPOSITIONS FOR DEPOSITING OXIDES O
PN	NZ246459 A 19951221 [NZ-246459]
STG	(A) Comp. Specification accepted
TI	(A) GASEOUS TIN- AND SILICON- CONTAINING COMPOSITIONS FOR DEPOSITING OXIDES ON GLASS
PA	(A) ATOCHEM NORTH AMERICA ELF (US)
IN	(A) RUSSO DAVID ALAN; DIRKX RYAN RICHARD; FLORCZAK GLENN PATRICK
IC	(A) C03C-017/245 C23C-016/40
AP	NZ24645992 19921221 [1992NZ-0246459]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

PN	NZ246459 A 19951221 [NZ-246459](A) Patent application	*****
AP	NZ24645992 19921221 [1992NZ-0246459]	

PUB	19921221 NZ-API [POS; EXM] FILING DETAILS NZ24645992 19921221 [1992NZ-0246459] 19951221 NZ-A [POS; EXM] Patent application NZ246459 A 19951221 [NZ-246459]	
ACTE	20021220 NZ/RENW-A [POS; PIF] RENEWAL	
LEG	PIF Alive	
UP	2006-40	



PL-169649 (B1) METHOD OF COATING A GLAS SUBSTRATE

PF-1096	49 (B1) METHOD OF COATING A GLAS SUBSTRATE
PN	PL169649 B1 19960830 [PL-169649]
STG	(B1) Patent
TI	(B1) METHOD OF COATING A GLAS SUBSTRATE
PA	(B1) ATOCHEM NORTH AMERICA ELF (US)
IN	(B1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(B1) B05D-005/06 C23C-016/22 C23C-016/40
AP	PL30048092 19921221 [1992PL-0300480]
PR	WOUS9210872 19921221 [1992WO-US10872] US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

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PL-169456 (B1) GLASS COATING COMPOSITION

PN	📆 PL169456 B1 19960731 [PL-169456]
STG	(B1) Patent
TI	(B1) GLASS COATING COMPOSITION
PA	(B1) ATOCHEM NORTH AMERICA ELF (US)

IN	(B1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(B1) C03C-017/22
AP	PL30048192 19921221 [1992PL-0300481]
PR	WOUS9210873 19921221 [1992WO-US10873] US81435291 19911227 [1991US-0814352]
ICAA	C03C-017/22 [2006-01 A - I R M EP]
ICCA	C03C-017/22 [2006 C - I R M EP]
DT	Corresponding document

PT-101159 (A) Process for the coating of glass substrates

	pa (M) Process for the coathing or glass substrates
PN	T PT101159 A 19940228 [PT-101159]
STG	(A) Application
TI	(A) Process for the coating of glass substrates
ОТІ	(A) PROCESSO DE REVESTIMENTO DE SUBSTRATOS DE VIDRO
PA	(A) ATOCHEM NORTH AMERICA ELF (US)
IN	(A) DIRKX RYAN RICHARD (US); RUSSO DAVID A (US); FLORCZAK GLENN P (US)
IC	(A) C03C-017/09
PN2	T PT101159 B 19990930 [PT-101159]
STG2	(B) Granted patent
OTI2	(B) PROCESSO DE REVESTIMENTO DE SUBSTRATOS DE VIDRO
PA2	(B) ATOCHEM NORTH AMERICA ELF (US)
IN2	(B) DIRKX RYAN RICHARD (US); RUSSO DAVID A (US); FLORCZAK GLENN P (US)
IC2	(B) C03C-017/245
AP	PT10115992 19921228 [1992PT-0101159]
PR	WOUS9210872 19921221 [1992WO-US10872] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

PN	PT101159 A 19940228 [PT-101159](A) Application for patent of invention PT101159 B 19990930 [PT-101159](B) Patent of invention
AP	PT10115992 19921228 [1992PT-0101159]
PUB	19921228 PT-API [POS; EXM] FILING DETAILS PT10115992 19921228 [1992PT-0101159] 19940228 PT-A [POS; EXM] Application for patent of invention PT101159 A 19940228 [PT-101159] 19990930 PT-B [POS; PIF] Patent of invention PT101159 B 19990930 [PT-101159]
ACTE	19940228 PT/BB1A-A [POS; EXM] LAYING OPEN OF PATENT APPLICATION EFFECTIVE DATE: 19930721 19990930 PT/FG3A-A [POS; PIF] PATENT GRANTED, DATE OF GRANTING EFFECTIVE DATE: 19990622 20001229 PT/PD3A-A [NMC] CHANGE OF PROPRIETORSHIP OWNER: ATOFINA CHEMICALS INC; EFFECTIVE DATE: 20000908 20010228 PT/TE3A-A [NMC] CHANGE OF ADDRESS (PATENT) OWNER: ATOFINA CHEMICALS, INC; EFFECTIVE DATE: 20001114
LEG	NMC Alive
UP	2003-22

PT-101160 (A) Glass coating composition based on a tin oxide precursor, a silicon oxide...

P (~101)	(b) (A) Glass coating composition based on a tin oxide precursor, a silicon oxide
PN	T PT101160 A 19940531 [PT-101160]
STG	(A) Application
TI	(A) Glass coating composition based on a tin oxide precursor, a silicon oxide precursor and an accelerator
OTI	(A) COMPOSICAO DE REVESTIMENTO DE VIDRO, A BASE DE UM PRECURSOR DE OXIDO DE ESTANHOUM PRECURSOR DE OXIDO DE SILICIO E DE UM ACELERADOR
PA	(A) ATOCHEM NORTH AMERICA ELF (US)
IN	(A) DIRKX RYAN RICHARD (US); RUSSO DAVID A (US); FLORCZAK GLENN P (US)
IC	(A) C03C-017/00
PN2	PT101160 B 19990930 [PT-101160]
STG2	(B) Granted patent
OTI2	(B) COMPOSICAO DE REVESTIMENTO DE VIDRO, A BASE DE UM PRECURSOR DE OXIDO DE ESTANHOUM PRECURSOR DE OXIDO DE SILICIO E DE UM ACELERADOR
PA2	(B) ATOCHEM NORTH AMERICA ELF (US)
IN2	(B) DIRKX RYAN RICHARD (US); RUSSO DAVID A (US); FLORCZAK GLENN P (US)
IC2	(B) C03C-017/245
A P	PT10116092 19921228 [1992PT-0101160]
PR	WOUS9210873 19921221 [1992WO-US10873] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP]

	C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

PN	PT101160 A 19940531 [PT-101160](A) Application for patent of invention
	PT101160 B 19990930 [PT-101160](B) Patent of invention
AP	PT10116092 19921228 [1992PT-0101160]
PUB	19921228 PT-API [POS; EXM] FILING DETAILS PT10116092 19921228 [1992PT-0101160] 19940531 PT-A [POS; EXM] Application for patent of invention PT101160 A 19940531 [PT-101160] 19990930 PT-B [POS; PIF] Patent of invention PT101160 B 19990930 [PT-101160]
ACTE	19940531 PT/BB1A-A [POS; EXM] LAYING OPEN OF PATENT APPLICATION EFFECTIVE DATE: 19931210 19990930 PT/FG3A-A [POS; PIF] PATENT GRANTED, DATE OF GRANTING EFFECTIVE DATE: 19990624 20001229 PT/PD3A-A [NMC] CHANGE OF PROPRIETORSHIP OWNER: ATOFINA CHEMICALS INC; EFFECTIVE DATE: 20000908 20010228 PT/TE3A-A [NMC] CHANGE OF ADDRESS (PATENT) OWNER: ATOFINA CHEMICALS, INC; EFFECTIVE DATE: 20001114
LEG	NMC Alive
UP	2003-22

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PT-101161

PN	T PT101161 A 19940331 [PT-101161]
STG	(A) Application
ОТІ	(A) ARTIGO REVESTIDO COM UMA COMPOSICAO A BASE DE UM PRECURSOR DE OXIDO DE ESTANHO, DE UM PRECURSOR DE OXIDO DE SILICIO E DE UM ACELERADOR
PA	(A) ATOCHEM NORTH AMERICA ELF (US)
IN	(A) DIRKX RYAN RICHARD (US); RUSSO DAVID A (US); FLORCZAK GLENN P (US)
IC	(A) C03C-017/00

PN2	PT101161 B 19990930 [PT-101161]
STG2	(B) Granted patent
OTI2	(B) ARTIGO REVESTIDO COM UMA COMPOSICAO A BASE DE UM PRECURSOR DE OXIDO DE ESTANHO, DE UM PRECURSOR DE OXIDO DE SILICIO E DE UM ACELERADOR
PA2	(B) ATOCHEM NORTH AMERICA ELF (US)
IN2	(B) DIRKX RYAN RICHARD (US); RUSSO DAVID A (US); FLORCZAK GLENN P (US)
IC2	(B) C03C-017/245
AP	PT10116192 19921228 [1992PT-0101161]
PR	WOUS9210872 19921221 [1992WO-US10872] US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

PN	PT101161 A 19940331 [PT-101161](A) Application for patent of invention PT101161 B 19990930 [PT-101161](B) Patent of invention
AP	PT10116192 19921228 [1992PT-0101161]
PUB	19921228 PT-API [POS; EXM] FILING DETAILS PT10116192 19921228 [1992PT-0101161] 19940331 PT-A [POS; EXM] Application for patent of invention PT101161 A 19940331 [PT-101161] 19990930 PT-B [POS; PIF] Patent of invention PT101161 B 19990930 [PT-101161]
ACTE	19940331 PT/BB1A-A [POS; EXM] LAYING OPEN OF PATENT APPLICATION EFFECTIVE DATE: 19930820 19990930 PT/FG3A-A [POS; PIF] PATENT GRANTED, DATE OF GRANTING EFFECTIVE DATE: 19990624 20001229 PT/PD3A-A [NMC] CHANGE OF PROPRIETORSHIP OWNER: ATOFINA CHEMICALS INC; EFFECTIVE DATE: 20000908 20010228 PT/TE3A-A [NMC]

	CHANGE OF ADDRESS (PATENT) OWNER: ATOFINA CHEMICALS, INC; EFFECTIVE DATE: 20001114	
LEG	NMC Alive	
UP	2003-22	

PT-927706

PT-9277	UP.
PN	PT927706 E 20041130 [PT-927706]
STG	(E)
ОТІ	(E) COMPOSICAO PARA REVESTIMENTO DE VIDRO
PA	(E) ATOFINA CHEM INC (US)
PA0	ATOFINA CHEMICALS, INC. (US)
IN	(E) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(E) C03C-017/23 C03C-017/245
AP	PT99106266T 19921221 [1999PT-0106266]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A - I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2009-13

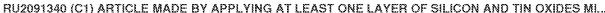
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RU2118302 (C1) METHOD OF COATING GLASS SUBSTRATE

PN	📆 RU2118302 C1 19980827 [RU2118302]
STG	(C1) Patent for invention
TI	(C1) METHOD OF COATING GLASS SUBSTRATE
PA	(C1) ATOCHEM NORTH AMERICA ELF (US)
IN	(C1) DEHVID A RUSSO (US); RAJAN R DIRKS (US); GLENN P FLORSAK (US)
IC	(C1) C03C-017/245
AP	RU93058286 19921221 [1993RU-0058286]

PR	US81436691 19911226 [1991US-0814366]
ICAA	C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP]
ICCA	C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP]
DT	Corresponding document
UP	2000-17



	340 (CT) ARTICLE MADE BY APPLYING AT LEAST ONE LAYER OF SILICON AND TIN OXIDES MI
PN	RU2091340 C1 19970927 [RU2091340]
STG	(C1) Patent for invention
TI	(C1) ARTICLE MADE BY APPLYING AT LEAST ONE LAYER OF SILICON AND TIN OXIDES MIXTURE ON GLASS BACKING
PA	(C1) ATOCHEM NORTH AMERICA ELF (US)
IN	(C1) DEVID A RUSSO (US); RAJAN R DIRKS (US); GLENN P FLORSAK (US)
IC	(C1) C03C-017/245
AP	RU93058398 19921221 [1993RU-0058398]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

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RU2102347 (C1) METHOD FOR CHEMICAL VAPOR-PHASE DEPOSITION OF THIN FILMS ONTO GLASS SUBS...

PN	RU2102347 C1 19980120 [RU2102347]
STG	(C1) Patent for invention
TI	(C1) METHOD FOR CHEMICAL VAPOR-PHASE DEPOSITION OF THIN FILMS ONTO GLASS SUBSTRATE
PA	(C1) ATOCHEM NORTH AMERICA ELF (US)
IN	(C1) DEHVID A RUSSO (US); RAJAN R DIRKS (US); GLENN P FLORSAK (US)
IC	(C1) C03C-017/245

AP	RU93058399 19921221 [1993RU-0058399]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210872 19921221 [1992WO-US10872]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document
UP	2000-26



SK9300913 (A3) COATING COMPOSITION FOR GLASS

	s (v fav) sea : ma sea : collection en ambe
PN	SK91393 A3 19940112 [SK9300913]
STG	(A3) Application published
TI	(A3) COATING COMPOSITION FOR GLASS
PA	(A3) ATOCHEM NORTH AMERICA ELF (US)
IN	(A3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A3) C03C-017/09 C07F-007/22
PN2	SK282141 B6 20011106 [SK-282141]
STG2	(B6) Patent
TI2	(B6) METHOD FOR COATING GLASS SUBSTRATES
PA2	(B6) ATOCHEM NORTH AMERICA ELF (US)
IN2	(B6) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(B6) C03C-017/245
AP	SK91393 19921221 [1993SK-0000913]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210873 19921221 [1992WO-US10873]
ICAA	B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A L R M JP] B32B-017/06 [2006-01 A - R M EP] C03C-017/245 [2006-01 A - R M EP] C03C-017/34 [2006-01 A - R M EP] C07F-007/22 [2006-01 A L R M JP] C23C-016/22 [2006-01 A L R M JP] C23C-016/40 [2006-01 A - R M EP]

ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document



SK9300914 (A3) COATED GLASS ARTICLE

PN	SK91493 A3 19940112 [SK9300914]
STG	(A3) Application published
TI	(A3) COATED GLASS ARTICLE
PA	(A3) ATOCHEM NORTH AMERICA ELF (US)
IN	(A3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC	(A3) B32B-017/06
PN2	SK281638 B6 20010611 [SK-281638]
STG2	(B6) Patent
TI2	(B6) METHOD FOR COATING GLASS SUBSTRATES
PA2	(B6) ATOCHEM NORTH AMERICA ELF (US)
IN2	(B6) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(B6) C03C-017/23 C03C-017/245
AP	SK91493 19921221 [1993SK-0000914]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210874 19921221 [1992WO-US10874]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F I R M JP] B32B-017/00 [2006 C L I R M JP] B32B-017/06 [2006 C - I R M EP] C03C-017/23 [2006 C - I R M EP] C03C-017/34 [2006 C - I R M EP] C07F-007/00 [2006 C L I R M JP] C23C-016/22 [2006 C L I R M JP] C23C-016/40 [2006 C - I R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230

DT Corresponding document

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SK9300915 (A3) METHOD FOR COATING GLASS SUBSTRATES

SINGSUU.	915 (A3) METHOD FOR COATING GLASS SUBSTRATES
PN	SK91593 A3 19940112 [SK9300915]
STG	(A3) Application published
TI	(A3) METHOD FOR COATING GLASS SUBSTRATES
PA	(A3) ATOCHEM NORTH AMERICA ELF (US)
IN	(A3) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLEN P (US)
IC	(A3) B05D-005/06 C03C-017/09 C03C-017/30 C23C-016/22
PN2	SK282993 B6 20030109 [SK-282993]
STG2	(B6) Patent
TI2	(B6) Method for coating glass substrates
PA2	(B6) ATOCHEM NORTH AMERICA ELF (US)
IN2	(B6) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)
IC2	(B6) B05D-005/06 C03C-017/09 C03C-017/30 C23C-016/22 C23C-016/40
AP	SK91593 19921221 [1993SK-0000915]
PR	US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352] WOUS9210872 19921221 [1992WO-US10872]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C - R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
DT	Corresponding document

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US5401305 (A) Coating composition for glass

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PN	📆 US5401305 A 19950328 [US5401305]
STG	(A) United States patent
TI	(A) Coating composition for glass
PA	(A) ATOCHEM NORTH AMERICA ELF (US)
PA0	Elf Atochem North America, Inc., Philadelphia PA [US]
IN	(A) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US)

IC	(A) C09D-005/00
AP	US10412593 19931213 [1993US-0104125]
PR	US10412593 19931213 [1993US-0104125] US81436691 19911226 [1991US-0814366] US81435291 19911227 [1991US-0814352]
ICAA	B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A L I R M JP] B32B-017/06 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C03C-017/32 [2006-01 A - I R M EP] C07F-007/22 [2006-01 A L I R M JP] C23C-016/22 [2006-01 A L I R M JP] C23C-016/40 [2006-01 A - I R M EP]
ICCA	B32B-009/00 [2006 C F R M JP] B32B-017/00 [2006 C L R M JP] B32B-017/06 [2006 C L R M EP] C03C-017/23 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C03C-017/34 [2006 C - R M EP] C07F-007/00 [2006 C L R M JP] C23C-016/22 [2006 C L R M JP] C23C-016/40 [2006 C - R M EP]
EC	B32B-017/06 C03C-017/245 C03C-017/34D2 C23C-016/40B
ICO	M03C-217/152 M03C-217/230
PCL	ORIGINAL (O): 106287100; CROSS-REFERENCE (X): 106287130 106287140 106287150 106287160
DT	Corresponding document

PN	📆 US5401305 A 19950328 [US5401305](A) Patent
ΑP	US10412593 19931213 [1993US-0104125]
PUB	19931213 US-API [POS; EXM] FILING DETAILS US10412593 19931213 [1993US-0104125] 19950328 US-A [POS; EXM] Patent US5401305 A 19950328 [US5401305]
ACTE	19931220 US/AS02-A [NMC] ASSIGNMENT OF ASSIGNOR'S INTEREST OWNER: DIRKX, RYAN R.; EFFECTIVE DATE: 19930212 19931220 US/AS02-A [NMC] ASSIGNMENT OF ASSIGNOR'S INTEREST OWNER: FLORCZAK, GLENN P.; EFFECTIVE DATE: 19930211 19931220 US/AS02-A [NMC] ASSIGNMENT OF ASSIGNOR'S INTEREST OWNER: RUSSO, DAVID A.; EFFECTIVE DATE: 19930210 19931220 US/AS02-A [NMC] ASSIGNMENT OF ASSIGNOR'S INTEREST OWNER: ELF ATOCHEM NORTH AMERICA, INC. 2000 MARKET STREET; EFFECTIVE DATE: 19930210 19960423 US/RF-A [OPP] REISSUE APPLICATION FILED EFFECTIVE DATE: 19951017 19990518 US/RF-A [OPP] REISSUE APPLICATION FILED EFFECTIVE DATE: 19990407 20000725 US/AS-A [NMC] ASSIGNMENT OWNER: ATOFINA CHEMICALS, INC., A CORP. OF PENNSYLVANIA 2; EFFECTIVE DATE: 20000619 CHANGE OF NAME; ASSIGNOR: ELF ATOCHEM NORTH AMERICA, INC., A CORP. OF

PENNSYLVANIA;REEL/FRAME:011007/0001
20041115 US/AS-A [NMC]
ASSIGNMENT
OWNER: ARKEMA INC. 2000 MARKET STREETPHILADELPHIA, PENNSY; EFFECTIVE DATE: 20041004
CHANGE OF NAME;ASSIGNOR:ATOFINA CHEMICALS, INC. /AR;REEL/FRAME:015394/0628
20041115 US/AS-A [NMC]
ASSIGNMENT
OWNER: ARKEMA INC., PENNSYLVANIA; EFFECTIVE DATE: 20041004
CHANGE OF NAME;ASSIGNOR:ATOFINA CHEMICALS, INC.;REEL/FRAME:015394/0628

LEG NMC
Alive

UP 2009-10

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WO9312892 (A1) METHOD FOR COATING GLASS SUBSTRATES

TI (A1) Publ. Of int. Appl. With int. Search rep TI (A1) METHOD FOR COATING GLASS SUBSTRATES PA (A1) ATOCHEM NORTH AMERICA ELF (US) PA0 ELF ATOCHEM NORTH AMERICA, INC.; Three Parkway Philadelphia, PA 19102-1303 (US) (except US) RUSSO, David, A.; 22 Brenda Lane Norristown, PA 19403-2002 (US) (only US) DIRKX, Ryan, R.; 2006 Turnberry Circle Glenmoore, PA 19343 (US) (only US) FLORCZAK, Glenn, P.; 2 Hilltop Boulevard East Brunswick, NJ 08816-2831 (US) (only US) IN (A1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US) IC (A1) B05D-005/06 C23C-016/22 C23C-016/40 LA ENGLISH (ENG) AP WOUS9210872 19921221 [1992WO-US10872] PR US81435291 199112227 [1991US-0814352] US81436691 19911226 [1991US-0814365] ICAA B32B-009/00 [2006-01 A F I R M JP] B32B-017/00 [2006-01 A - I R M JP] B32B-017/00 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-016/22 [2006-01 A - I R M EP] C3CC-016/40 [2006-01 A - I R M P] C3CC-016/40 [2006-01 A - I R M P] B32B-017/00 [2006 C I R M EP] C03C-017/34 [2006-01 A - I R M P] C3CC-016/40 [2006-01 A - I R M P]	:	892 (A1) METHOD FOR COATING GLASS SUBSTRATES
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PA0	TI	(A1) METHOD FOR COATING GLASS SUBSTRATES
RUSSO, David, A.; 22 Brenda Lane Norristown, PA 19403-2002 (US) (only US) DIRKX, Ryan, R.; 2006 Turnberry Circle Glenmoore, PA 19343 (US) (only US) FLORCZAK, Glenn, P.; 2 Hilltop Boulevard East Brunswick, NJ 08816-2831 (US) (only US) IN (A1) RUSSO DAVID A (US); DIRKX RYAN R (US); FLORCZAK GLENN P (US) IC (A1) B05D-005/06 C23C-016/22 C23C-016/40 LA ENGLISH (ENG) AP WOUS9210872 19921221 [1992WO-US10872] PR US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814352] ICAA B32B-009/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A F R M JP] B32B-017/00 [2006-01 A - I R M EP] C03C-017/245 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C03C-017/34 [2006-01 A - I R M EP] C23C-016/22 [2006-01 A - I R M EP] C23C-016/22 [2006-01 A - I R M EP] C33C-016/22 [2006 C - I R M EP] C33C-017/34 [2006 C - I R M EP] C33C-017/34 [2006 C - I R M EP] C33C-016/22 [2006 C - I R M EP] C33C-016/22 [2006 C - I R M EP] C33C-016/22 [2006 C - I R M EP] C33C-016/40 [2006 C - I R M EP]	PA	(A1) ATOCHEM NORTH AMERICA ELF (US)
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	ICO	M03C-217/152 M03C-217/230
DS AU BR CA CS HU JP KR NO NZ PL RU US European patent : AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE	DS	
DT Corresponding document	DT	Corresponding document

PN	WO9312892 A1 19930708 [WO9312892](A1) International publication with international search report
ΑP	WOUS9210872 19921221 [1992WO-US10872]
PUB	19921221 WO-API [POS; EXM] FILING DETAILS WOUS9210872 19921221 [1992WO-US10872] 19930708 WO-A1 [POS; EXM] International publication with international search report WO9312892 A1 19930708 [WO9312892]
ACTE	19930708 WO/AK [POS; ADM] DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AU BR CA CS HU JP KR NO NZ PL RU US 19930708 WO/AL [POS; ADM] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE 19930806 WO/WE [POS; ENP] WIPO INFORMATION: ENTRY INTO NATIONAL PHASE Corresponding Appl: EP 1993901244 [1993EP-0901244] 19930820 WO/ENP [ENP] ENTRY INTO THE NATIONAL PHASE IN: Corresponding Pat: CA 2104592 [CA2104592] 19930824 WO/WWE [POS; ENP] WIPO INFORMATION: ENTRY INTO NATIONAL PHASE Corresponding Appl: EP 1993901733 [1993GZ-0001733] 19930826 WO/ENP [ENP] ENTRY INTO THE NATIONAL PHASE IN: Corresponding Appl: SK 91593 [1993SK-0000915] 19931014 WO/EX32 [ADM] EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR INTERNATIONAL PUBLICATION KZ 19931207 WO/ENP [ENP] ENTRY INTO THE NATIONAL PHASE IN: Corresponding Appl: SK 91593 104124 19931207 [1993US-0104124] 19940216 WO/WWP [POS; ADM] WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE Corresponding Appl: EP 1993901244 [1993EP-0901244] 19940518 WO/WWP [POS; ADM] WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE Corresponding Appl: CZ PV1993-1733 [1993CZ-0001733] 19940609 WO/EX32 [ADM] EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR INTERNATIONAL PUBLISHED IN NATIONAL OFFICE CORRESPONDING APPL: CZ PV1993-1733 [1993CZ-0001733] 19940609 WO/EX32 [ADM] WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE CORRESPONDING APPL: CZ PV1993-1733 [1993CZ-0001733] 19940609 WO/EX32 [ADM] WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE CORRESPONDING APPL: CZ PV1993-1733 [1993CZ-0001733] 19940609 WO/EX32 [ADM] WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE CORRESPONDING APPL: CZ PV1993-1733 [1993CZ-0001733]
LEG	ADM
	Alive
UP	2008-29



WO9312934 (A1) COATED GLASS ARTICLE

PN	📆 WO9312934 A1 19930708 [WO9312934]
STG	(A1) Publ. Of int. Appl. With int. Search rep
TI	(A1) COATED GLASS ARTICLE
PA	(A1) ATOCHEM NORTH AMERICA ELF (US)

PA0	ELF ATOCHEM NORTH AMERICA, INC.; Three Parkway Philadelphia, PA 19102-1303 (US) (except US) RUSSO, David, A.; 22 Brenda Lane Norristown, PA 19403-2002 (US) (only US) DIRKX, Ryan, R.; 2006 Turnberry Circle Glenmoore, PA 19343 (US) (only US) FLORCZAK, Glenn, P.; 2 Hilltop Boulevard East Brunswick, NJ 08816-2831 (US) (only US)
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IC	(A1) B32B-017/06
LA	ENGLISH (ENG)
AP	WOUS9210874 19921221 [1992WO-US10874]
PR	US81435291 19911227 [1991US-0814352] US81436691 19911226 [1991US-0814366]
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ICO	M03C-217/152 M03C-217/230
DS	AU BR CA CS HU JP KR NO NZ PL RU US European patent : AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
DT	Basic

PN	WO9312934 A1 19930708 [WO9312934](A1) International publication with international search report
AP	WOUS9210874 19921221 [1992WO-US10874]
PUB	19921221 WO-API [POS; EXM] FILING DETAILS WOUS9210874 19921221 [1992WO-US10874] 19930708 WO-A1 [POS; EXM] International publication with international search report WO9312934 A1 19930708 [WO9312934]
ACTE	19930212 WO/ENP [ENP] ENTRY INTO THE NATIONAL PHASE IN: Corresponding Appl: US 1993 104100 19930212 [1993US-0104100] 19930708 WO/AK [POS; ADM] DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AU BR CA CS HU JP KR NO NZ PL RU US 19930708 WO/AL [POS; ADM] DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE 19930806 WO/WWE [POS; ENP] WIPO INFORMATION: ENTRY INTO NATIONAL PHASE Corresponding Appl: EP 1993901246 [1993EP-0901246] 19930820 WO/ENP [ENP] ENTRY INTO THE NATIONAL PHASE IN:

Corresponding Pat: CA 2104590 [CA2104590]

19930824 WO/WWE [POS; ENP]

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19930826 WO/ENP [ENP]

ENTRY INTO THE NATIONAL PHASE IN: Corresponding Appl: SK 91493 [1993SK-0000914]

19931014 WO/EX32 [ADM]

EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR

INTERNATIONAL PUBLICATION

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19931215 WO/WWP [POS; ADM]

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19940518 WO/WWP [POS; ADM]

WIPO INFORMATION: PUBLISHED IN NATIONAL OFFICE Corresponding Appl: CZ PV1993-1735 [1993CZ-0001735]

19940609 WO/EX32 [ADM]

EXTENSION UNDER RULE 32 EFFECTED AFTER COMPLETION OF TECHNICAL PREPARATION FOR

INTERNATIONAL PUBLICATION UZ

19950524 WO/WWW [NEG; RLW] WIPO INFORMATION: WITHDRAWN IN NATIONAL OFFICE Corresponding Appl: EP 1993901246 [1993EP-0901246]

20020213 WO/WWG [POS; ADM]

WIPO INFORMATION: GRANT IN NATIONAL OFFICE Corresponding Appl: CZ PV1993-1735 [1993CZ-0001735]

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W09313393 (A1) COATING COMPOSITION FOR GLASS

PN	3393 (A1) COATING COMPOSITION FOR GLASS
FIN	WO9313393 A1 19930708 [WO9313393]
STG	(A1) Publ. Of int. Appl. With int. Search rep
TI	(A1) COATING COMPOSITION FOR GLASS
PA	(A1) ATOCHEM NORTH AMERICA ELF (US)
PA0	ELF ATOCHEM NORTH AMERICA, INC.; Three Parkway Philadelphia, PA 19102-1303 (US) (except US) RUSSO, David, A.; 22 Brenda Lane Norristown, PA 19403-2002 (US) (only US) DIRKX, Ryan, R.; 2006 Turnberry Circle Glenmoore, PA 19343 (US) (only US) FLORCZAK, Glenn, P.; 2 Hilltop Boulevard East Brunswick, NJ 08816-2831 (US) (only US)
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LA	ENGLISH (ENG)
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ICO	M03C-217/152 M03C-217/230
DS	AU BR CA CS HU JP KR NO NZ PL RU US European patent : AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
DT	Corresponding document

PN	WO9313393 A1 19930708 [WO9313393](A1) International publication with international search report
AP	WOUS9210873 19921221 [1992WO-US10873]
PUB	19921221 WO-API [POS; EXM] FILING DETAILS WOUS9210873 19921221 [1992WO-US10873] 19930708 WO-A1 [POS; EXM] International publication with international search report WO9313393 A1 19930708 [WO9313393]
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	20000712 WO/WWG [POS; ADM] WIPO INFORMATION: GRANT IN NATIONAL OFFICE Corresponding Appl: CZ PV1993-1734 [1993CZ-0001734]	
LEG	ADM Alive	
UP	2008-29	

Search statement 3